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Ontario Hydro-Electric
Inquiry Commission,
1922-1927

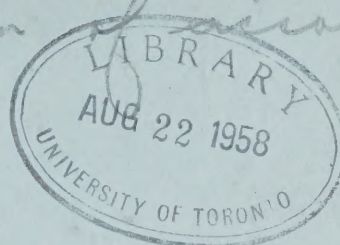
J. ALLAN ROSE
Committee

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HYDRO-ELECTRIC INQUIRY COMMISSION

(Hydro-Electric Power Commission of Ontario)

Reports on investigation of accounts



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EUGENIA SYSTEM

STATISTICS RE ESTIMATED POWER RATES QUOTED

AND

INTERIM AND ACTUAL POWER RATES CHARGED TO EACH MUNICIPALITY

TOGETHER WITH

DATA IN REGARD TO RESOLUTIONS, BY-LAWS AND CONTRACTS

IN CONNECTION THEREWITH

Price, Waterhouse & Co.

ROYAL BANK BUILDING

TORONTO, ONT., CANADA



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PRICE, WATERHOUSE & Co.

CANADA, UNITED STATES, MEXICO,
GREAT BRITAIN.

ROYAL BANK BUILDING

TORONTO

CONTINENTAL EUROPE, ETC.
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ALSO, GREAT BRITAIN
W. B. PEAT & CO.

March 20, 1923.

W. D. Gregory, Esq., Chairman,
Hydro-Electric Inquiry Commission,
36-38 King Street East,
Toronto, Ontario.

Dear Sir:

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
HUGENIA SYSTEM

We have now completed our investigation into the estimated, interim and actual power rates quoted by the Hydro-Electric Power Commission and charged to the various municipalities comprising the above system. This work was undertaken in accordance with your verbal instructions which were subsequently confirmed by a letter from the Secretary of your Commission, dated January 5, 1923, and has involved a consideration of the initial steps taken by the municipalities and the Commission prior to the actual signing of the contracts.

We now take pleasure in submitting this report thereon, in which we propose to offer a few general comments, and then to submit, in the form of exhibits, details regarding each of the several municipalities separately.

Exhibit 1 consists of a summary of the various data which we have obtained, and is supported by detailed exhibits dealing with each municipality separately. These exhibits follow in alphabetical order as per index next following.

As regards the negotiations preceding the signing of the contracts the source of our information has been the Commission's correspondence files, from which also we have obtained data regarding the estimated rates quoted. Particulars as to the interim and the actual rates as determined by annual adjustment and with regard to average yearly loads in horse power have been obtained from the general accounting records and reports.

Attention should be called to certain features which must, we feel, be borne in mind in considering the information submitted in the exhibits appended hereto. These features, under distinct headings, are dealt with separately below.

Provisions of the Act:

We are informed by Officials of the Hydro-Electric Power Commission that, without exception, the steps taken in connection with the negotiations with the municipalities comprising the Eugenia System had in view the provisions of Section 18, Sub-section 7, of the Power Commission Act, 1914, it having been found impracticable to carry out the provisions of the preceding sub-sections. The Commission holds that Sub-section 7 is a separate provision, and that having proceeded under its requirements it was unnecessary to take into consideration the requirements of the preceding sub-sections. Hence no attempt was made to insure that the respective municipalities published the estimated rates with the by-law at the time of submitting it to the electors for vote.

In view of the above facts, as well as in view of the fact that in order to definitely determine that publication of the estimated rates was or was not made with the enabling by-law, it would, we believe, be necessary to peruse the local newspapers for several

weeks prior to the date of the passing of the respective by-laws, and we are of the opinion that this feature, if it is desired to pursue it further, should be made the subject of a subsequent report.

Ratification of By-laws and Contracts by Provincial Legislature:

The Commission's files do not in every instance contain a copy of the enabling by-law as passed by the electors of the respective municipalities. We are informed that it is customary for the Commission to furnish the municipalities with a standard form of by-law as per Exhibit 25 appended hereto. It will be observed that this standard form of by-law makes no reference to rates.

As will be seen by referring to Exhibit 1, while in some instances the by-laws and contracts were ratified by the Legislature prior to the Commission's delivering power, this does not appear to have been regarded as a general requirement. By-laws are apparently submitted to the Provincial Legislature at its Spring session, such by-laws as have been passed since the previous session being held for and submitted at the next succeeding session. We did not find any special or "distinctive features" in connection with the ratification of any of the Eugenia System By-laws. We noted that the by-laws of the Villages of Neustadt and Ripley apparently have not yet been ratified.

Referring again to Exhibit 1 it will be observed that all contracts with the municipalities comprising this system have been ratified by the Legislature with the exception of a contract entered into with the Town of Grangeville on March 25, 1916, which does not appear to have been ratified.

Reduction on cost of power by reason of
retroactive revision of charges for Renewals, etc:

After calculating, by means of what is known as the "Annual Adjustment", the actual power rates chargeable per horse power to the individual municipalities, it was from time to time found necessary to make certain adjustments of more or less importance. The most important of these adjustments took place in the accounts of the year ending October 31, 1922, when a general reduction was made in respect of renewal charges. Such reductions have not been given effect to in the rates appearing under the caption of "Actual Rate per 'Annual Adjustment' " as appearing on the exhibits appended hereto. Therefore, in comparing the estimated rates as submitted to the municipalities prior to the signing of the contract, with the actual rates per annual adjustment, it should be borne in mind that the latter are subject to modification. Inasmuch, however, as the estimated rates presumably made provision for renewal rates in force at the time of estimating, for the purposes of true comparison, the estimated rates should be reduced in the same ratio as the actual rates. To give effect to these adjustments in detail by years would, we believe, require a large amount of time and serve no useful purpose herein. The revised actual rates have not yet been calculated by the Commission.

* * * * *

We discussed the foregoing with officials of the Commission and at their request consented to submit as one of our exhibits a memorandum to be prepared by them setting forth their explanation of the variations between the estimated and actual power rates. It was arranged that inasmuch as a detailed explanation with regard to each individual municipality would entail an immense amount of work on the

part of the Commission's engineers, a memorandum should be prepared as regards the Village of Arthur by way of furnishing a sample of the explanation to which the variations in question might be subjected. We append hereto as Exhibit 26 a copy of the memorandum furnished us. It will be observed that this memorandum is of a general character and does not deal specifically with any particular municipality. The reason for not adhering to the original arrangement, viz., dealing specifically with the Village of Arthur, was, we are informed, that even for one municipality the work entailed promised to be so extensive as to interfere with the completion of the section of the Annual Report which is now in the hands of the Cost Accounting Engineer.

Should you require further information regarding any of the above features or in regard to any of the individual municipalities, we shall be glad to furnish it upon your request.

Yours very truly,

Price, Waterhouse & Co.

Description	Exhibit No.
Summary of Statistics re Estimated Fever Rates (quoted and Interview and Actual) Fever Rates Charged to each Municipality, together with Data in regard to Resolutions, By-laws and Contracts in connection therewith	1
Detailed exhibits dealing with each Municipality separately:	
Arthur, Village of	2
Chateworth, Village of	3
Chesley, Town of	4
Danville, Village of	5
Durham, Town of	6
Elmwood, Parish of	7
Eastbrook, Township of (re Elmwood)	7a
East, Township of (re Elmwood)	7b
Flasherton, Village of	8
Grand Valley, Village of	9
Hammer, Town of	10
Holstein, Police Village of	11
Kindersling, Town of	12
Lakewood, Village of	13
Parkdale, Town of	14
Point Forest, Town of	15
Roseland, Village of	16
Orangeville, Town of	17
Owen Sound, Town of	18
Priceville, Police Village of	19
Ripley, Police Village of	20
Shelburne, Village of	21
Town, Village of	22
Township, Village of	23
Wingham, Town of	24
Specimen copy of By-law	25
Memorandum from Mr. Galt re	



INDEX TO EXHIBITS

<u>Description</u>	<u>Exhibit No.</u>
Summary of Statistics re Estimated Power Rates Quoted and Interim and Actual Power Rates Charged to each Municipality, together with Data in regard to Resolutions, By-laws and Contracts in connection therewith	1
Detailed exhibits dealing with each Municipality separately:	
Arthur, Village of	2
Chatsworth, Village of	3
Chesley, Town of	4
Dundalk, Village of	5
Durham, Town of	6
Elmwood, Hamlet of	7
Bentinck, Township of (re Elmwood)	7a
Brant, Township of (re Elmwood)	7b
Flesherton, Village of	8
Grand Valley, Village of	9
Hanover, Town of	10
Holstein, Police Village of	11
Kincairdine, Town of	12
Lucknow, Village of	13
Markdale, Town of	14
Mount Forest, Town of	15
Neustadt, Village of	16
Orangeville, Town of	17
Owen Sound, Town of	18
Priceville, Police Village of	19
Ripley, Police Village of	20
Shelburne, Village of	21
Tara, Village of	22
Teeswater, Village of	23
Wingham, Town of	24
Specimen copy of By-law	25
Memorandum from Mr. Gaby re "Variation in Cost of Power"	26

SUMMARY OF STATISTICS BY ESTIMATED POWER RATES QUOTED AND INTERIM AND ACTUAL POWER RATES CHARGED TO EACH MUNICIPALITY

TOGETHER WITH

DATA IN REGARD TO RESOLUTIONS, BY-LAWS AND CONTRACTS IN CONNECTION THEREWITH

Municipality	Date of Municipality's Request	ESTIMATES			BY - LAWS					CONTRACTS		ACTUAL HORSE POWER LOADS AND INTERIM AND ACTUAL RATES CHARGED																	
		As Submitted by H.E.P.C.			Date Passed	Date Ratified by Legislature	Vote			Date	Date Validated by Legislature	1916			1917			1918			1919			1920			1921		
		Date	Load in H.P.	Rate Per Horse Power (Per Annum)			For	Against	Majority For			Average H.P. Load	Interim Rate	Actual Rate	Average H.P. Load	Interim Rate	Actual Rate	Average H.P. Load	Interim Rate	Actual Rate	Average H.P. Load	Interim Rates	Actual Rate	Average H.P. Load	Interim Rates	Actual Rate	Average H.P. Load	Interim Rates	Actual Rate
Arthur	Dec. 7, 1914	July 12, 1915 April 7, 1916	150 150	More than \$60.00 (\$48.00 - 65.10 53.96 - 60.78)	May 8, 1916	April 12, 1917	210	7	203	June 2, 1916	April 12, 1917	-	-	-	26.9	\$45.00	\$120.80	102.0	\$45.00	\$ 52.82	151.9	\$45.00	\$ 59.38	129.0	\$45.00 - \$45.00	\$66.37	134.2	\$65.00 - \$85.00	\$ 77.64
Chateworth	Oct. 7, 1915	Dec. 1, 1915 Feb. 26, 1916 Sept. 22, 1914	75 75 75	30.71 26.99 - 29.17 28.85		April 27, 1916				Feb. 22, 1915	April 27, 1916	32.0	\$30.18	\$ 38.88	23.9	30.18	34.82	31.1	30.18	31.53	39.4	\$30.18 - \$30.00	37.90	29.0	30.00 - 48.00	56.01	28.5	45.00 - 60.00	61.31
Cheesley	March 31, 1911	Sept. 22, 1914 Oct. 20, 1914	400 400	51.30 40.57	Jan. 5, 1914	April 27, 1916	368	57	311	Oct. 6, 1915	April 27, 1916	36.9	40.00	113.94	76.8	40.00	74.35	95.5	40.00	46.55	159.8	40.00	39.97	250.3	40.00 - 45.00	50.01	241.6	45.00 - 55.00	47.18
Dundalk	Nov. 21, 1913	Feb. 26, 1914 Sept. 22, 1914	(200 300 250) 250	41.62 33.49 40.07 27.30	June 4, 1914	April 27, 1916	108	2	103	March 1, 1915	April 27, 1916	45.1	27.30	71.39	60.25	27.30	30.56	83.0	27.30	23.26	93.9	27.30 - 27.00	30.08	57.7	27.00 - 38.00	47.67	97.7	38.00 - 50.00	46.70
Durban	Dec. 30, 1913	Feb. 26, 1914 June 13, 1914 Sept. 22, 1914	500 1500 125	24.99 24.99 33.97		April 27, 1916				April 24, 1915	April 27, 1916	53.7	33.97	73.30	58.2	33.97	41.07	69.8	33.97	26.77	74.3	33.97 - 33.00	32.71	100.6	33.00 - 45.00	46.78	220.2	45.00 - 50.00	43.10
Elwood (See Bentinck & Brant Twp.)																													
Bentinck (re Elwood)	Dec. 15, 1915	March 10, 1916	50	44.11 - 56.07	Nov. 1915	April 12, 1917				Nov. 11, 1916	April 12, 1917	-	-	-	-	-	-	37.5	35.00	41.85	45.8	35.00	42.84	51.0	35.00 - 45.00	54.42	54.3	45.00 - 55.00	49.32
Brant (re Elwood)	Dec. 15, 1915	March 10, 1916	50	44.11 - 56.07	Nov. 6, 1915	April 12, 1917				Nov. 6, 1916	April 12, 1917																		
Flesherton	Sept. 11, 1913	Feb. 26, 1914 Sept. 22, 1914	50 50	(26.08 - 27.41 30.05 29.28)	Oct. 3, 1914	April 27, 1916				April 24, 1915	April 27, 1916	28.2	35.96	48.16	33.5	25.96	30.60	33.3	25.96	30.44	58.1	25.96 - 26.00	28.92	57.3	30.00 - 36.00	43.97	47.1	36.00 - 45.00	50.01
Grand Valley	Aug. 11, 1913	Jan. 30, 1916		47.90	Feb. 14, 1916	April 12, 1917	81	11	70	June 5, 1916	April 12, 1917	-	-	-	23.5	45.00	69.36	51.5	45.00	41.35	57.5	45.00	51.23	60.7	45.00 - 60.00	76.26	62.9	60.00 - 70.00	60.51
Hanover	Jan. 16, 1912	Feb. 26, 1914 Sept. 22, 1914	(300 500 400)	43.06 29.88 33.90	Jan. 5, 1914	March 26, 1918				June 8, 1917	March 26, 1918	5.0	35.00	141.35	113.86	35.00	40.71	279.3	35.00	26.46	416.4	35.00	29.90	593.1	35.00	43.32	1040.7	35.00 - 40.00	34.88
Holstein	Feb. 3, 1915	July 9, 1915	50	43.50	Aug. 10, 1915	April 27, 1916	39	8	31	Oct. 11, 1915	April 27, 1916	4.3	43.50	137.43	6.9	43.50	157.72	6.4	43.50	142.59	23.0	43.50 - 44.00	72.25	9.3	44.00 - 75.00	156.49	9.3	75.00 - 90.00	185.06
Kincardine	-	Dec. 4, 1919	350	44.00	Jan. 8, 1913	(June 4, 1920 May 3, 1921)	338	52	286	June 30, 1920	April 28, 1922 (a)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58.0	48.00	114.43

Municipality	ESTIMATES				BY - LAWS				CONTRACTS		ACTUAL HORSE POWER LOADS AND INTERIM AND ACTUAL RATES CHARGED																		
	Date of Municipality's Request	As Submitted by H.R.P.C.			Date Passed	Date Ratified by Legislature	Vote			Date	Date Validated by Legislature	1916			1917			1918			1919			1920			1921		
		Date	Load In H.P.	Rate Per Horse Power (Per Annum)			For	Against	Majority For			Average H.P. Load	Interim Rate	Actual Rate	Average H.P. Load	Interim Rate	Actual Rate	Average H.P. Load	Interim Rate	Actual Rate	Average H.P. Load	Interim Rates	Actual Rate	Average H.P. Load	Interim Rates	Actual Rate	Average H.P. Load	Interim Rates	Actual Rate
Lucknow	Dec. 20, 1911	Dec. 4, 1912	100	\$60.00	Jan. 26, 1920	(June 4, 1920 (May 3, 1921				March 5, 1920	(June 4, 1920 (April 28, 1922 (a)	-	-	-	-	-	-	-	-	-	-	-	-	39.5	\$60.00	\$100.00			
Wardale	Nov. 10, 1913	Dec. 1, 1913 Feb. 26, 1914 Sept. 23, 1914	150 150 150	24.36 \$22.27 - \$23.02 23.24	July - 1915	April 27, 1916				Sept. 11, 1915	April 27, 1916	40.2	\$23.24	\$ 48.61	69.3	\$23.24	\$26.43	67.0	\$23.24	\$ 20.73	74.0	\$23.24 - \$23.00	\$25.28	83.7	\$23.00 - \$35.00	\$ 36.86	89.2	\$35.00 - \$50.00	36.00
Mount Forest	March 17, 1914	Sept. 23, 1914	400	34.51	Jan. - 1915	April 27, 1916	278	33	245	March 15, 1915	April 27, 1916	93.5	34.51	90.00	111.7	34.51	64.11	119.1	34.51 (K.W.H. plus 12.00	44.05	129.3	34.51 - 40.00	61.58	151.6	40.00 - 55.00	66.84	185.6	55.00 - 65.00	68.40
Newstadt	Nov. 28, 1917	March 8, 1918	100	43.00	April 8, 1918	(not ratified)			Unanimous	June 10, 1918	April 24, 1919	-	-	-	-	-	-	2.5	12.00	-	18.8	42.50	86.14	84.2	42.50 - 45.00	59.47	126.3	45.00 - 55.00	51.65
Orangeville	July 22, 1913	Aug. 10, 1915 March 21, 1916	- 300	35.00 38.43	Sept. - 1915	April 27, 1916				March 25, 1916	(not validated)	27.9	35.00	88.60	96.97	35.00	41.58	127.0	35.00	30.15	134.3	35.00	50.25	136.2	35.00 - 55.00	69.41	142.1	55.00 - 65.00	63.47
Owen Sound	Aug. 21, 1911	Dec. 31, 1912 March 31, 1913 April 18, 1913	1500 800 (800 1000 1200	29.00 31.00 40.61 - 39.60 36.41 - 35.55 33.88 - 33.09	Jan. 2, 1912	May 1, 1914	1238	454	784	Oct. 27, 1913	May 1, 1914	683.5	31.00	45.25	973.8	31.00	23.97	1007.6	31.00	20.03	934.9	31.00 - 28.00	26.61	1132.2	28.00	40.49	1391.2	28.00 - 30.00	40.20
Priceville	May - 1915	May 11, 1916 Feb. 10, 1919	35 80	24.11 33.00	Jan. - 1920	(June 4, 1920 (May 3, 1921				March 8, 1920	(June 4, 1920 (April 28, 1922 (a)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	47.00	115.71	
Ripley	Jan. 3, 1920	Dec. 8, 1919	100	60.00	Nov. 21, 1919	(not ratified)	121	3	118	March 20, 1920	June 4, 1920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.7	60.00	104.16	
Shelburne	Jan. 29, 1914	Sept. 22, 1914	300	39.19	Jan. - 1915	April 27, 1916				April 24, 1915	April 27, 1916	16.7	30.00	103.41	63.17	30.00	39.10	123.7	30.00	27.94	144.8	30.00	33.32	183.6	30.00 - 35.00	46.88	178.4	35.00 - 50.00	44.25
Tara	Feb. 26, 1915	Dec. 2, 1915	100	36.37	Jan. - 1916	April 13, 1917				March 13, 1916	April 12, 1917	-	-	-	-	-	-	24.9	37.00	101.87	36.2	37.00	91.95	44.6	37.00 - 85.00	107.25	41.2	85.00 - 90.00	100.28
Teeswater	March 16, 1917	Dec. 4, 1919	150	35.00	Jan. 5, 1920	(June 4, 1920 (May 3, 1921	140	5	135	March 2, 1920	(June 4, 1920 (April 28, 1922 (a)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.4	40.00	69.46	
Vingham	Feb. 5, 1917	Dec. 5, 1919	-	38.00	Jan. 1, 1913	(June 4, 1920 (May 3, 1921	272	38	234	Feb. 20, 1920	(June 4, 1920 (April 28, 1922 (a)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	284.4	45.00	64.60	

NOTE:

(a) Validated by Order-in-Council.

VILLAGE OF ARTHUR

Date of Contract - June 2, 1916

Date Power First Delivered - December 1, 1916

Date of request by municipality
for investigation by M.E.P.C.- December 7, 1914.

The following is a copy of request bearing the above date:

"The Municipal Council of this Village have passed a motion asking me to apply to you for an estimate of the cost of constructing a line into Arthur for the purpose of Lighting and power in the municipality, and also the maximum cost per horse power for same when installed. I scarcely know what information you require, but will be glad to furnish any that I can. I am yours,

D. T. Small
Clerk."

Summaries of the Commission's original and subsequent reports follow:

July 12, 1915:

Commission "carefully investigated the possibility of serving the Town of Arthur with 'Hydro' power both from the Eugenia and Niagara Systems and find that cost for 150 h.p. would exceed \$60.00 per h.p. in both cases."

Estimate referred to previously by Commission's engineer "was based on conditions impossible of realization at present"

Town advised to wait "until about February 1916, by which time we expect to have obtained a large power customer which will reduce the cost of power to Arthur to about \$40.00 per h.p."

April 7, 1916:

Estimate made by Commission, based on load of 150 h.p. and on acquiring an existing transmission line, delivery to be made from Eugenia System by way of Grand Valley, stated at \$45.00 per h.p.; by way of Mount Forest (at 4,000 volts) at \$65.10 per h.p.; or by way of Mount Forest but considering Durham Cement Company's load, at \$53.96 per h.p.; from Niagara System by extension from Fergus at \$60.78 per h.p.

After remarking that the Commission had "very carefully studied the conditions as to serving Arthur"; that the information furnished should suffice for the purpose of the necessary by-laws etc. and that it would be necessary for the Commission to commence negotiations at once re the purchase of the existing Transmission Line, the report proceeds as follows:

VILLAGE OF ARTHUR
(Continued)

"Owing to a possibility of a rise in the copper market, prompt action is necessary to be taken to secure the purchase of the Phillips' line, and we will deem it a favor if you will advise us as soon as your Council has taken definite action as to the passing of the by-laws. If you advise us on the morning following the Council meeting, as to the decision arrived at, we would then be in a position to negotiate with Mr. Phillips and obtain an option on the line pending of course the ratification of the by-laws by the rate-payers."

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

150 H.P. { July 12, 1915 - More than \$60.00 per h.p.
 { (Via Grand Valley \$45.00 per h.p. per annum
 { April 7, 1916 (Via Mount Forest \$65.10 " " "
 { (Via Mount Forest considering Durham Cement
 { Co. Load \$53.96 per h.p. per annum
 { (Extension from Fergus \$60.78 " " "

Note: Line eventually constructed via Grand Valley.

Vote on the by-law in the municipality on May 8, 1916,
resulted as follows:

For	210
Against	7
Majority for	203

Date by-laws and contract ratified by Provincial Legislature:

By-law	#605	}	April 12, 1917
"	#607		
Contract	-		April 12, 1917

Statistics for the 11 months ending October 31, 1917,
and the 4 years ending October 31, 1921, re interim
and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
11 months ending Oct. 31, 1917	\$45.00	\$120.00	26.9
Year ending October 31, 1918	45.00	52.82	102.0
" " " 31, 1919	45.00	59.38	151.9
" " " 31, 1920	45.00- 65.00	66.37	129.0
" " " 31, 1921	65.00- 85.00	77.64	134.2

VILLAGE OF CHATSWORTH

Date of Contract - February 22, 1915

Date Power First Delivered - December 10, 1915

Date of request by municipality

for investigation by H.E.P.C.- October 7, 1913.

The following is a copy of request bearing the above date:

"Moved by Councillor Collins seconded by Councillor Ludden. That the Council of the Municipality of the Village of Chatsworth requests the Hydro-Electric Power Commission for Ontario to give the Municipality of Chatsworth an estimate of the price to be charged to the said Municipality for 75 horse power of electric energy from Eugenia Falls to be supplied at Chatsworth, ready to be distributed by the said Municipality. Carried.

W. G. Reilly, Commission stating
Clerk."

Summaries of the Commission's original and subsequent reports follow:

December 1, 1913:

Commission informs village that "in connection with serving Chatsworth with 75 H.P. from the Eugenia Falls Power Development, we beg to advise that we have investigated the conditions and estimated that the above amount of power can be delivered to your Village at \$30.71 per H.P."

February 26, 1914:

Commission submits further estimates on the cost of delivering 75 horse power at 2200 volts under different conditions as shown below -

"Proposition #1.

Eugenia	50 HP.
Dundalk	200 "
Flesherton	50 "
Hanover	300 "
Walkerton	150 "
Markdale	150 "
Chatsworth	75 "
Owen Sound	1500 "

VILLAGE OF CHATSWORTH
(Continued)

"Under the conditions as set forth above, with the towns taking the power set opposite each, it has been estimated that 75 H.P. can be delivered to Chatsworth at \$29.17 per H.P.

"Proposition #2.

Owen Sound	1500 HP.
Shallow Lake	800 "
Flesherton	50 "
Dundalk	300 "
Durham	500 "
Hanover	500 "
Walkerton	250 "
Markdale	150 "
Chatsworth	75 "
Eugenia	50 "

"Under the conditions set forth in proposition #2, with the towns taking the amount of power set opposite each, it has been estimated that 75 HP. can be delivered to Chatsworth at 2200 volts for \$26.99 per HP."

September 22, 1914:

Revised estimates are quoted to village, Commission stating that "75 H.P. can be delivered to your village at 2200 Volts for \$28.85 per H.P."

After remarking that "According to the present outlook power will be ready for delivery from the Eugenia Falls plant by about March 1915", the Commission suggests that any steps desired to be taken by the village toward securing the service, be undertaken as soon as possible so that it may be ready for the service when development is completed.

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

75 H.P.	{	December 1-1913 -	\$30.71	per H.P.
	{	February 26-1914 -	29.17	" "
	{	" 26-1914 -	26.99	" "
	{	September 22-1914 -	28.85	" "

Vote on the by-law in the municipality on - - - - -
resulted as follows:

(This information not obtainable from the Commission's files)

Date by-laws and contract ratified by Provincial Legislature:

By-laws	#8 and #9 of 1914 amended by	} April 27, 1916
	#3 of 1916 and #8 of 1915	
Contract	-	April 27, 1916

VILLAGE OF CHATSWORTH
(Continued)

Statistics for the 22 days and 10 months ending October 31, 1916, and the 5 years ending October 31, 1921, re interim and actual power rates charged, together with the average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
22 days and 10 months ending October 31, 1916	\$30.18	\$58.88	22.0
Year ending October 31, 1917	30.18	34.82	23.9
" " " 31, 1918	30.18	31.53	31.1
" " " 31, 1919	30.18- 30.00	37.90	29.4
" " " 31, 1920	30.00- 45.00	56.01	29.0
" " " 31, 1921	45.00- 60.00	61.31	28.5

March 31, 1911:

"Moved by Alderman Grant

"Seconded by Alderman Holliday

"That the Council of the Municipality of Chesley request the Hydro-Electric Power Commission for Ontario to give the Municipality of Chesley an estimate of the price to be charged to the said Municipality for 500 horse power of electric energy from the French Saugeen River to be supplied at Chesley, ready to be distributed by the said Municipality. Carried.

Wm. Krug, Mayor

Wm. McDonald, Clerk

Summary of the Commission's original and subsequent reports follows:

September 28, 1916:

Commission advises that "figures have been made up including various towns in your district, and it has been estimated that 400 H.P. at 2200 can be delivered to your town for \$21.25 per H.P."

Commission suggests that since it is expected power can be delivered by about March 1918 it would be advisable to take steps towards the passing of the necessary by-laws.

TOWN OF CHESLEY

October 20, 1914:

Date of Contract - October 6, 1915

Date Power First Delivered - June 18, 1916

Date of request by municipality
for investigation by H.E.P.C.- March 9, 1911.

The following is a copy of request bearing the above date,
and subsequent resolution of Council:

"I have been instructed by our local council to ascertain from you, on what terms you would inspect and report on water power on river, west of this town, and if you would develop said power providing Chesley would guarantee (sic) to purchase power, etc., and to report on the Electric Light Plant of our town.

"What does the Province undertake to do for the municipalities?"

Wm. McDonald,
Town Clerk"

March 31, 1911:

"Moved by Alderman Grant
"Seconded by Alderman Halliday

"That the Council of the Municipality of Chesley requests the Hydro-Electric Power Commission for Ontario to give the Municipality of Chesley an estimate of the price to be charged to the said Municipality for 500 horse power of electric energy from North Branch Saugeen River to be supplied at Chesley, ready to be distributed by the said Municipality. Carried.

Wm. Krug, Mayor
Wm. McDonald, Clerk"

Summaries of the Commission's original and subsequent reports follow:

September 22, 1914:

Commission advises that "figures have been made up including various towns in your district, and it has been estimated that 400 H.P. at 2200 can be delivered to your town for \$51.30 per H.P."

Commission suggests that since it is expected power can be delivered by about March 1915 it would be advisable to take steps towards the passing of the necessary by-laws.

TOWN OF CHESLEY
(Continued)October 20, 1914:

Commission advises the town that "the estimate covering the cost of supplying power to the Eugenia Falls district has been revised and that the estimated cost of power to the town of Chesley is \$40.57 per Horse Power."

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

400 H.P. { September 22-1914 - \$51.30 per H.P.
{ October 20-1914 - 40.57 " "

Vote on the by-law in the municipality on January 5, 1914,
resulted as follows:

For 368
Against 57
Majority for 311

Date by-laws and contract ratified by Provincial Legislature:

By-law #576 } April 27, 1916
" #612 }
Contract - April 27, 1916

Statistics for the 13 days and 4 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual after correction Adjustment" for power factor</u>	<u>Average Load</u>
13 days and 4 months ending October 31, 1916	\$40.00	\$112.94	26.9
Year ending October 31, 1917	40.00	74.35	76.8
" " " 31, 1918	40.00	46.55	95.5
" " " 31, 1919	40.00	39.97	159.8
" " " 31, 1920	40.00- 45.00	50.01	250.3
" " " 31, 1921	45.00- 55.00	47.18	241.6

VILLAGE OF DUNDALK

September 22, 1914:

Date of Contract - March 1, 1915

Date Power First Delivered - November 18, 1915

Date of request by municipality
for investigation by H.B.P.C.- November 21, 1913.

The following is a copy of resolution bearing the above date:

"Moved by A. B. Colgan

"Seconded by F. V. Bellamy

"That the Hydro Electric Commission of Ontario be and is hereby respectfully requested to submit estimates on 200 and 250 H.P. Electric Energy in Dundalk from Eugenia Falls or any other suitable source. Carried.

E. Bell,
 Reeve."

Summaries of the Commission's original and subsequent reports follow:

February 26, 1914:

Estimates submitted by Commission to the village "covering the cost of delivering 200, 250 and 300 HP. at 2200 volts to your village under the three different conditions as follows, power being developed at Eugenia Falls"-

Under Proposition #1 Commission quotes \$41.62 per H.P. on the basis of a load of 200 H.P.

Under Proposition #2 Commission quotes \$33.49 per H.P. on the basis of a load of 300 H.P.

Under Proposition #3 Commission quotes \$40.07 per H.P. on the basis of a load of 250 H.P.

<u>"Proposition #1</u>		<u>Proposition #2</u>		<u>Proposition #3</u>	
Eugenia	50 HP.	Owen Sound	1500 HP.	Owen Sound	1500 HP.
Dundalk	200 "	Shallow Lake	800 "	Chatsworth	75 "
Flesherton	50 "	Flesherton	50 "	Markdale	150 "
Hanover	300 "	Dundalk	300 "	Flesherton	50 "
Walkerton	150 "	Durham	500 "	Dundalk	250 " "
Markdale	150 "	Hanover	500 "		
Chatsworth	75 "	Walkerton	250 "		
Owen Sound	1500 "	Markdale	150 "		
		Chatsworth	75 "		
		Eugenia	50 "		

VILLAGE OF DUNDALK
(Continued)

September 22, 1914:

Commission submits a further report advising that "figures have been made up including various towns in your district, and it has been estimated that 250 H.P. at 2200 Volts can be delivered to the town of Dundalk for \$27.30 per H.P."

After remarking that they "expect to be able to deliver power from the Eugenia Falls development by March 1915" Commission suggests that "any steps which you might desire to take towards receiving this service be undertaken as soon as possible in order that you may be ready for the service when the development is completed."

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

February 26, 1914 - 200 H.P.	\$41.62 per H.P.
" " 1914 - 300 "	33.49 " "
" " 1914 - 250 "	40.07 " "
September 22, 1914 - 250 "	27.30 " "

Vote on the by-law in the municipality on June 4, 1914,
resulted as follows:

For	105
Against	2

Majority for 103

Date by-laws and contract ratified by Provincial Legislature:

By-law #254)	April 27, 1916
" #257)	
Contract -	April 27, 1916

Statistics for the 13 days and 11 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

Period	Interim Rates	Actual Rate per "Annual Adjustment"	Average Load after correction for power factor
13 days and 11 months ending October 31, 1916	\$27.30	\$71.29	45.1
Year ending October 31, 1917	27.30	30.56	60.25
" " 31, 1918	27.30	23.26	83.0
" " 31, 1919	27.30- 27.00	30.08	93.9
" " 31, 1920	27.00- 38.00	47.67	87.7
" " 31, 1921	38.00- 50.00	46.70	97.7

TOWN OF DURHAM

June 13, 1914:

Date of Contract - April 24, 1915

Date Power First Delivered - November 18, 1915

Date of request by municipality
for investigation by H.E.P.C.- April 21, 1911.

The following is a copy of request bearing the above date:

"I would be very glad to know from you the conditions or the possibility of the delivery of, say, 1800 or 2000 Horse Power to the Town of Durham of Electrical Power. Also, should the Town decide in accepting any offer which you should make to us, at what date this power could be delivered.

"You might also let me know if it would reduce the cost to us, if any near by neighboring Town would accept a portion of the power.

Wm. Black

Mayer of Town of Durham"

Subsequent request under date of December 20, 1913:

"I am instructed to write and obtain all information as to the rate on 1500 Horse Power delivered at the Town of Durham and the time of Delivery if adopted by the Ratepayers of the Town by order of Council Town of Durham.

Wm. B. Vollet

Town Clerk"

Summaries of the Commission's original and subsequent reports follow:

February 26, 1914:

Estimate submitted by Commission "based on the various towns listed below taking the power as per the figures set opposite each town."

"Shallow Lake	800 HP.
Flesherton	50 "
Dundalk	300 "
Durham	500 "
Manover	500 "
Walkerton	250 "
Markdale	150 "
Chatsworth	75 "
Eugenia	50 "
Owen Sound	1500 " "

The Commission states that on such a basis 500 H.P. can be delivered to Durham from Eugenia Falls at 2200 volts for \$24.99 per H.P.

TOWN OF DURHAM
(Continued)

June 13, 1914:

The Commission reports further on the estimated cost of 1500 H.P. and advises that "we have given this matter careful consideration and find that the estimated cost of 1500 H.P. will be the same as per our letter of February 26th, that is, \$24.99 or approximately \$25.00 per H.P."

In addition Commission states they "hope to have completed shortly covering the cost of 125 H.P. delivered to your Town, that is, figuring your requirements without taking the cement plant into consideration."

September 22, 1914:

Commission submits further that "revised estimates have been made up covering the delivery of power from the development at Eugenia Falls, including additional towns which have asked for figures, since the results of the last estimates were forwarded to you."

"Under the present conditions we estimate that 125 H.P. can be delivered to your town at 2200 Volts for \$33.97 per H.P."

Commission then refers to report under date of June 13, 1914, in which "we furnished you with an estimated figure covering 1500 H.P., thus you now have the estimated figures for serving Durham both with and without the Cement Company's load."

Town is advised power will be ready for delivery about March, 1915, and to have its Enabling and Money By-laws passed as soon as possible "in order that you may be ready for receiving Hydro service when the development is completed."

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

February 26, 1914	-	500 H.P.	-	\$24.99 per H.P.
June 13, 1914	-	1500 "	-	24.99 " "
September 22, 1914	-	125 "	-	33.97 " "

Vote on by-law in the municipality on - - - - -
resulted as follows:

(This information not obtainable from the Commission's files)

Date by-laws and contract ratified by Provincial Legislature:

By-law	#653	}	April 27, 1916
"	#654		
Contract	-		April 27, 1916

TOWN OF DURHAM
(Continued)

Date of Contract -

(See Exhibits 7a and 7b)

Statistics for the 13 days and 11 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

Period		Interim Rates	Actual Rate per "Annual Adjustment"	Average Load after correction for power factor
13 days and 11 months ending October 31, 1916		\$33.97	\$73.30	53.7
Year ending October 31, 1917		33.97	41.07	58.2
"	" 31, 1918	33.97	26.77	69.8
"	" 31, 1919	33.97- 33.00	32.71	74.3
"	" 31, 1920	33.00- 45.00	46.78	100.6
"	" 31, 1921	45.00- 50.00	43.10	220.2

(See also Exhibits 7a and 7b)

Statistics for the 5 months ending October 31, 1918,
and the 3 years ending October 31, 1921, re interim
and actual power rates charged, together with the
average load of this municipality, follow:

Period		Interim Rates	Actual Rate per "Annual Adjustment"	Average Load after correction for power factor
5 months ending Oct. 31, 1918		\$35.00	\$41.88	27.2
Year ending October 31, 1919		35.00	42.84	45.8
"	" 31, 1920	35.00- 45.00	54.42	51.6
"	" 31, 1921	45.00- 55.00	45.32	54.3

Total:

Situated in Township of Durham and Brant.
(See Exhibits 7a and 7b respectively).

HARLEY OF ELMWOOD *

Date of Contract -

(See Exhibits 7a and 7b)

Date Power First Delivered - March 1, 1918

Date of request by municipalityfor investigation by H.B.P.C. - November 5, 1915.The following is a copy of request bearing
the above date:

"At a meeting held in Elmwood re Hydro Power, I was requested to ascertain what arrangements have to be made with regards to making application for Hydro Lights for a place the size of Elmwood. It has a population of about 500 people, half is situated in the Township of Brant and half in the Township of Bentinck. It is not incorporated. The Hydro line from Durham to Chesley, according to reports, is going to run through Elmwood so that we thought it might be possible to make arrangements whereby Elmwood could secure Hydro Power for lighting the streets and residents.

Leonard Fair,
Secretary-Committee."

(See also Exhibits 7a and 7b)

Statistics for the 8 months ending October 31, 1918,
and the 3 years ending October 31, 1921, re interim
and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual after correction Adjustment" for power factor</u>	<u>Average Load</u>
8 months ending Oct. 31, 1918	\$35.00	\$41.85	27.5
Year ending October 31, 1919	35.00	42.84	45.8
" " " 31, 1920	35.00- 45.00	54.42	51.0
" " " 31, 1921	45.00- 55.00	49.32	54.3

*Note:

Situated in Townships of Bentinck and Brant.
(See Exhibits 7a and 7b respectively)

TOWNSHIP OF BENTINCK
(Re Elmwood)

Date of Contract - November 11, 1916

Date of request by municipality
for investigation by H.E.P.C. - December 15, 1915.

The following is a copy of letter bearing the above date,
and of a subsequent communication:

"We are enclosing you a petition from the ratepayers of the hamlet of Elmwood, part of the Township of Bentinck, applying for an estimate of the cost of Hydro-Electric Lights and Hydro Power in accordance with 'The Power Commission Act' 1911.

Township of Bentinck
per Clerk
Jno Herbert Chittick of Bentinck "

The petition referred to contains 23 signatures asking for estimated cost of 50 H.P. and on the power required for 163 lights.

August 23, 1916:

"I, J. H. Chittick Clerk of the Township of Bentinck do hereby certify that I have received applications for private lighting and street lighting from Ratepayers of Hamlet of Elmwood situated in the limits of said portion of the Township of Bentinck. The said applications are according to last Assessment Roll more than one-half of said Ratepayers or Freeholders.

Dated this 23 day of Aug. 1916

J. H. Chittick
Clerk of Bentinck

"I enclose under separate cover 18 applications from Ratepayers of Elmwood.

J. H. Chittick

'Township of Bentinck'

"List of petitioners who wish to have street lights in the Hamlet of Elmwood."

(Then follow 29 signatures, but no indication is given of their various power requirements)

"I, J. H. Chittick, Clerk of the Township of Bentinck do hereby certify that the foregoing names comprise more than one-half of residents within the limits of Elmwood of that portion of Township of Bentinck.

J. H. Chittick "

TOWNSHIP OF BERTINCK

(Re Elmwood)

(Continued)

Summary of Commission's report dated March 10, 1916:

The Commission advises that "estimates have been made out covering the delivery of power to Elmwood from Chesley and from Hanover."

"50 H.P. can be delivered from a substation located at Hanover to the Village of Elmwood, at 4000 volts, being a voltage suitable for distribution on the streets, for \$36.07 per H.P. per annum.

"The difficulty of supplying Elmwood from Hanover is that at the present time no contract has been signed between Hanover and this Commission, and no arrangements made to serve that municipality, and if Elmwood is served from Hanover the residents of the latter will have to wait until Hanover takes power from the Commission, making conditions very indefinite.

"We also estimate that 50 H.P. can be delivered from Chesley sub-station at 4,000 volts under the same conditions as from Hanover, at \$44.11 per H.P. per annum.

"At the present time the sub-station in Chesley is completed and the pole line nearly so, and all arrangements have been made to serve the municipality of Chesley within the next six or eight weeks, consequently power can be delivered from Chesley at once."

Recapitulation of estimated rates submitted by
H.R.P.C. in above report:

50 H.P. - March 10, 1916 - (From Hanover - \$36.07 per H.P.
(From Chesley - 44.11 " "

Date by-law passed by Township Council:

(This information not obtainable from Commission's files,
but letter under date of November 24, 1916 states
by-law was passed by Council)

Date by-law and contract ratified by Provincial Legislature:

By-law #7 - April 12, 1917

Contract - April 12, 1917

Summary of Commission's report under date of March 10, 1916, follows:

The Commission advises Township that "estimates have been made out covering the delivery of power to Elmwood from Chesley and from Hanover.

"50 H.P. can be delivered from a sub-station located at Hanover to the Village of Elmwood, at 4000 volts, being a voltage suitable for distribution on the streets, for \$36.07 per H.P. per annum.

TOWNSHIP OF BRANT
(Re Elmwood)

Date of Contract - November 6, 1916

Date of request by municipality
for investigation by H.E.P.C. - December 15, 1915.

The following is a copy of letter bearing the above date:

"We are enclosing you a petition signed by the rate payers of the hamlet of Elmwood, which is part of the Township of Brant, asking you for estimate of the cost of supplying them with Hydro-Electric Light and Power in accordance with the provisions of the "Power Commission Act, 1911" 1 George V., Chapter 14.

Township of Brant
 per

M.A. McCallum

Clerk "

The petition referred to is in part as follows:

"We, the undersigned petitioners, request your honorable body to obtain from the Hydro-Electric Power Commission an estimate of the cost to us, respectively, of supplying us with Hydro-Electric Light and Power, in accordance with the provisions of "The Power Commission Act, 1911" 1 George V., Chapter 14.

"We estimate that we will require about the number of lights and horse-power set opposite our respective names.

"We also attach a sketch or map showing location of various petitioners' houses."

Then follow 20 signatures of ratepayers requiring an aggregate of 189 lights.

There also appears in the Commission's files a letter dated August 10, 1916 from the Clerk of Brant Township, enclosing a petition signed by 23 residents of Elmwood, but no indication is given of the number of lights or the amount of power required by each petitioner.

Summary of Commission's report under date of March 10, 1916, follows:

The Commission advises Township that "estimates have been made out covering the delivery of power to Elmwood from Chesley and from Hanover.

"50 H.P. can be delivered from a sub-station located at Hanover to the Village of Elmwood, at 4000 volts, being a voltage suitable for distribution on the streets, for \$36.07 per H.P. per annum.

TOWNSHIP OF BRANT
(Re Elmwood)
(Continued)

"The difficulty of supplying Elmwood from Hanover is that at the present time no contract has been signed between Hanover and this Commission, and no arrangements made to serve that municipality, and if Elmwood is served from Hanover the residents of the latter will have to wait until Hanover takes power from the Commission, making conditions very indefinite.

"We also estimate that 50 H.P. can be delivered from Chesley sub-station at 4,000 volts under the same conditions as from Hanover, at \$44.11 per H.P. per annum.

"At the present time the sub-station in Chesley is completed and the pole line nearly so, and all arrangements have been made to serve the municipality of Chesley within the next six or eight weeks, consequently power can be delivered from Chesley at once."

Recapitulation of estimated rates submitted by
H.E.P.C. in above report:

50 H.P. - March 10, 1916 - (From Hanover - \$36.07 per H.P.
(From Chesley - 44.11 " "

Date by-law passed by Township Council - November 6, 1916.

Date by-law and contract ratified by Provincial Legislature:

By-law #89 - April 12, 1917

Contract - April 12, 1917

February 15, 1916:

Commission submits "an estimate covering the cost of delivering 50 H.P. at 2000 volts to your village under three different conditions as follows, power being developed at Niagara Falls."

Under Proposition #1 with municipalities bearing the cost of power shown "the estimated cost to Fisherton would be \$36.07 per H.P."

Under Proposition #2 Commission estimates cost to be \$44.11 per H.P.

Under Proposition #3 Commission estimates cost to be \$50.00 per H.P.

VILLAGE OF FLESHERTON

Date of Contract - April 24, 1915

Date Power First Delivered - November 15, 1915

Date of request by municipality
for investigation by H.E.P.C. - September 11, 1913.

The following is a copy of resolution bearing the above date:

"Moved by Alderman Thos. A. Blakey

"Seconded by Alderman L. A. Fisher

"That the Council of the Municipality of The Village of Flesherton requests the Hydro-Electric Power Commission for Ontario to give the Municipality of Flesherton an estimate of the price to be charged to the said Municipality for 35 horse power of electric energy from Eugenia to be supplied at Flesherton, ready to be distributed by the said Municipality.

"Also that if at all possible the Commission will repair the power as it exists at Eugenia Falls in order that temporary lighting may be had for this village during construction of the full plant, and an estimate be given for such temporary development.
 Carried.

D. McTavish

Reeve."

Summaries of the Commission's original and subsequent reports follow:

February 26, 1914:

Commission submits "an estimate covering the cost of delivering 50 H.P. at 2200 volts to your village under three different conditions as follows, power being developed at Eugenia Falls."

Under Proposition #1 with municipalities taking the amount of power shown "the estimated cost to Flesherton would be \$27.41 per H.P."

Under Proposition #2 Commission estimates cost to be \$26.05 per H.P.

Under Proposition #3 Commission estimates cost to be \$30.05 per H.P.

VILLAGE OF FLESHERTON
(Continued)

<u>* Proposition #1</u>		<u>Proposition #2</u>		<u>Proposition #3</u>	
Eugenia	50 HP.	Owen Sound	1500 HP.	Owen Sound	1500 HP.
Dundalk	200 "	Shallow lake	800 "	Chatsworth	75 "
Flesherton	50 "	Flesherton	50 "	Markdale	150 "
Hanover	300 "	Dundalk	300 "	Flesherton	50 "
Walkerton	150 "	Durham	500 "	Dundalk	250 " "
Markdale	150 "	Hanover	500 "		
Chatsworth	75 "	Walkerton	250 "		
Owen Sound	1500 "	Markdale	150 "		
		Chatsworth	75 "		
		Eugenia	50 "		

September 22, 1914:

Commission submits revised figures to village stating that "it has been estimated that 50 H.P. can be delivered to your Village at 4000 Volts for \$25.28 per H.P."

Recapitulation of estimated rates submitted by
H.E.P.C. in above reports:

February 26, 1914	- 50 H.P.	- \$27.41 per H.P.
"	- 50 "	- 26.05 " "
"	- 50 "	- 30.05 " "
September 22, 1914	- 50 "	- 25.28 " "

Vote on the by-law in the municipality on October 3, 1914,
resulted as follows:

(This information not obtainable from the Commission's files)

Date by-laws and contract ratified by Provincial Legislature:

By-law	#29	}	April 27, 1916
"	#30		
Contract	-		April 27, 1916

Statistics for the 16 days and 11 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

<u>Period</u>		<u>Interim Rates</u>		<u>Actual Rate</u>	<u>Average Load</u>
				<u>per "Annual after correction</u>	<u>Adjustment" for power factor</u>
16 days and 11 months					
ending October 31, 1916		\$25.96		\$48.16	28.2
Year ending October 31, 1917		25.96		36.60	33.5
" " " 31, 1918		25.96		30.44	33.3
" " " 31, 1919		25.96- 26.00		28.92	58.1
" " " 31, 1920		26.00- 36.00		43.97	57.3
" " " 31, 1921		36.00- 45.00		58.61	47.1

VILLAGE OF GRAND VALLEY

Date of Contract - June 5, 1916

Date Power First Delivered - December 1, 1916

Date of request by municipality
for investigation by H.E.P.C.- July 29, 1913.

The following is a copy of a communication bearing the above date,
and of subsequent resolutions forwarded to Commission:

"I am instructed by the Reeve to secure from you the necessary information, in regard to having your Commission supply electric power to this Village.

J. A. Richardson, Village Clerk"

August 11, 1913:

"Moved by Alderman James Graham
 "Seconded by Alderman L. Sinclair

"That the Council of the Municipality of Village of Grand Valley, request the Hydro-Electric Power Commission for Ontario to give the Municipality of Village of Grand Valley an estimate of the price to be charged to the said Municipality for 100 horse power of electric energy from nearest point to be supplied at Grand Valley, ready to be distributed by the said Municipality."

December 8, 1915:

"The Council at their last meeting passed the following resolution, as it is now two years last August since power was applied for, and under different dates the Commission have agreed to furnish the information, and in view of our present franchise having expired the Council do not feel like facing the people at the coming election, without being able to give them any further information than a year ago.

RESOLUTION.

"Moved by A. Menary
 "Sec. by P. Reid

"That the Clerk forward our application to have the Hydro-Electric Power Commission of Ontario furnish to this Corporation the maximum price per H.P. at which electric power or energy could be delivered to this Corporation, and an estimate of the cost of installing a lighting and power system in the Municipality. That the Commission also furnish this at a very early date, that if possible a vote of the Electors could be taken on the question of

VILLAGE OF GRAND VALLEY
(Continued)

the Municipal Election in January, and also if possible a vote on the required debenture by-law, as our present lighting franchise has now expired. (Carried)

J.A. Richardson

Clerk of the Village of Grand Valley"

Summary of Commission's report follows:

January 20, 1916:

Commission advises that "we have made up an estimate covering the cost of completing a distribution system in your village by means of remodelling the present one along with Mr. John Phillips, and find that you should raise in debentures by means of a money by-law \$8,000 for re-building the system and \$2,590. for purchasing the distribution system of Mr. Phillips in the village, a total of \$10,590.00, or to make an even figure \$10,600."

Commission submits an estimate for power delivery at "approximately \$47.50 per H.P." and also states "it is impossible to take over the transmission line of Mr. Phillips between Arthur and Grand Valley."

Estimated rate submitted by H.E.P.C. in above report:

January 20, 1916 - \$47.50 per H.P.

Vote on the by-law in the municipality on February 14, 1916, resulted as follows:

For	81
Against	11

Majority for 70

Date by-laws and contracts ratified by Provincial Legislature:

By-law	#187	}	April 12, 1917
"	#192		
Contract	-		April 12, 1917

Statistics for the 11 months ending October 31, 1917, and the 4 years ending October 31, 1921, re interim and actual power rates charged, together with the average load of this municipality, follow:

Period	Interim Rates	Actual Rate per "Annual Adjustment"	Average Load after correction for power factor
11 months ending Oct. 31, 1917	\$45.00	\$69.36	22.5
Year ending October 31, 1918	45.00	41.35	51.5
" " " 31, 1919	45.00	51.23	57.5
" " " 31, 1920	45.00- 60.00	76.26	60.7
" " " 31, 1921	60.00- 70.00	60.51	62.9

TOWN OF HANOVER

Date of Contract - June 8, 1917

Date Power First Delivered - September 1, 1916

Date of request by municipality
for investigation by H.E.P.C. - January 16, 1912.

The following is a copy of resolution bearing the above date
with digest of preceding and subsequent correspondence, re
investigation by Commission:

"Moved by Dr. Mearns, seconded by Mr. Derby,

"That the Clerk is hereby instructed to communicate with The Hydro Electric Commission, with a view to its sending a competent officer, preferably Hon. Adam Beck, to Hanover to address this Council with a view of getting all necessary information in relation to Electric Power. Carried.

"If you would kindly let me know when your officer is likely to come, I will try and have the Mayor call a special meeting of Council. Heretofore your officers dropped in for a few hours, spoke to one or two of the Council and went away without an interview before the whole Council. Present Council would like to have whole Council meet your man and see if they consider it advisable to push the matter farther.

John Taylor,
 Clerk."

The Commission received a prior communication under date of June 16, 1911 suggesting that "there should be some educative work done for the Council first," but no official request for power appears to have been made until 1912.

It is apparent from a letter dated November 4, 1913, that the town was visited by engineers of the Commission before "but Council was not very much in earnest at that time, but I think they mean business now."

On December 6, 1913, a further request was made for an "estimate on cost of 300 to 500 horse power." Again on February 7, 1914, town notified Commission that enabling by-law had been passed and asked for "the probable cost of Hydro-Electric delivered to Town of Hanover."

TOWN OF HANOVER
(Continued)

Summaries of Commission's original and subsequent reports follow:

February 26, 1914:

Commission submits "an estimate covering the cost of delivering 300 and 500 H.P. at 2200 volts to your village under the different conditions as follows, power being developed at Eugenia Falls."

Under first proposition with towns taking the number of horse power set opposite each, the estimated cost to Hanover was quoted at \$43.06 per H.P., while under the second proposition the estimate was \$29.88 per H.P.

"Proposition #1"Proposition #2

Eugenia	50 H.P.
Dundalk	200 "
Flesherton	50 "
Hanover	300 "
Walkerton	150 "
Markdale	150 "
Chatsworth	75 "
Owen Sound	1500 "

Owen Sound	1500 H.P.
Shallow Lake	800 "
Flesherton	50 "
Dundalk	300 "
Durham	500 "
Hanover	500 "
Walkerton	250 "
Markdale	150 "
Chatsworth	75 "
Eugenia	50 " "

September 22, 1914:

Subsequent report under above date advises that "revised estimates have been made up covering delivery of power to the various towns in your district, and we estimate that 400 H.P. can be delivered to Hanover at 2200 Volts for \$33.90 per H.P."

Commission reports that "power will be ready for delivery from Eugenia Falls about March 1915", and suggests that "any steps which you may desire to take towards securing service from this development be taken as soon as possible in order that you may be ready to receive power when the development is completed."

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

February 26, 1914	{ 300 H.P. - \$43.06 per H.P.
" "	{ 500 " - 29.88 " "
September 22, 1914	400 " - 33.90 " "

Vote on the by-law in the municipality on January 5, 1914,
resulted as follows:

(This information not obtainable from the Commission's files, but letter to Commission dated February 7, 1914 states, "The preliminary vote on Hydro-Electric By-law submitted on January 5th, last, was carried by the ratepayers.")

TOWN OF HANOVER
(Continued)Date by-laws and contract ratified by Provincial Legislature:

By-law	#175	}	March 26, 1918
"	#242		
Contract	-		March 26, 1918

Statistics for the 2 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim
and actual power rates charged, together with the
average load of this municipality, follow:

The following is a copy of report bearing the above dates:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
2 months ending Oct. 31, 1916	\$35.00	\$141.35	5.
Year ending October 31, 1917	35.00	40.71	113.86
" " " 31, 1918	35.00	26.46	278.3
" " " 31, 1919	35.00	29.90	416.4
" " " 31, 1920	35.00	43.23	593.1
" " " 31, 1921	35.00- 40.00	34.88	1040.7

Commission further states it has estimated "the cost of constructing a distribution system in your town, including a street lighting system of 12 street lamps, and everything complete for furnishing light and power to any consumer desirous of taking same, to be \$5,000."

Commission advises trustees to pass the Amending and Repeal By-laws and submit these to the ratepayers as their village will be "in a position to enter into a contract with this Commission for a supply of power."

Estimated rate submitted by N.E.P.C. in above report:

July 6, 1918 - 35 N.P. - \$43.23 per N.P.

Vote on the by-law in the municipality on August 10, 1908,
revealed as follows:

For	30
Against	5
Majority for	31

POLICE VILLAGE OF HOLSTEIN

Date of Contract - October 11, 1915

Date Power First Delivered - April 3, 1916

Date of request by municipality
for investigation by H.E.P.C. - February 3, 1915.

The following is a copy of request bearing the above date:

"Replying to yours of Jan 6th we as the village representatives would be glad if you could have an engineer come up and look into the matter of supplying electrical energy to our village.

"If you could let me know what date your representatives could come up I would arrange for an evening meeting of the ratepayers.

L. B. Michelson,
Secy. village trustees"

A brief description of the Commission's report under date of July 9, 1915, follows:

Estimate made by the Commission on "the cost of 50-H.P. delivered to your village by means of 4,000-volt line from Durham station, to be \$43.50 per H.P."

Commission further states it has estimated "the cost of constructing a distribution system in your town, including a street lighting system of 12 street lamps, and everything complete for furnishing light and power to any consumer desirous of taking same, to be \$3,000."

Commission advises trustees to pass the Enabling and Money By-laws and submit these to the ratepayers as then village will be "in a position to enter into a contract with this Commission for a supply of power."

Estimated rate submitted by H.E.P.C. in above report:

July 9, 1915 - 50 H.P. - \$43.50 per H.P.

Vote on the by-law in the municipality on August 10, 1915, resulted as follows:

For	39
Against	3
Majority for	31

POLICE VILLAGE OF HOLSTEIN
(Continued)Date by-laws and contracts ratified by Provincial Legislature:

By-law	#304	}	April 27, 1916
"	#305		
Contract	-		April 27, 1916

Statistics for the 28 days and 6 months ending October 31, 1916, and the 5 years ending October 31, 1921, re interim and actual power rates charged, together with the average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
28 days and 6 months ending October 31, 1916	\$43.50	\$137.45	4.3
Year ending October 31, 1917	43.50	157.72	6.9
" " " 31, 1918	43.50	142.59	6.4
" " " 31, 1919	43.50- 44.00	72.25	23.0
" " " 31, 1920	44.00- 75.00	156.49	9.3
" " " 31, 1921	75.00- 90.00	185.06	9.5

Summary of the Commission's Report dated July 27, 1919:

Commission states "Since the Vaughan meeting addressed by the Commission's engineers, a further investigation has been made in connection with serving the various municipalities in Bruce County District, revised estimates have been prepared, and a careful study made in connection with serving the whole district."

Commission submits estimate on cost of delivering 300 horse power, the rate to be \$41.00 per horse power per annum, "based on delivering the following amounts of power to the various municipalities in this district:-

Walkerton - 200 horse power	Proctor - 50 horse power
Mildmay - 50 " "	Gerris - 50 " "
Farmton - 15 " "	Fordwich - 20 " "
Terrebonne - 100 " "	Southampton - 300 " "
Lacknow - 100 " "	Fort Elgin - 200 " "
Ripley - 100 " "	Shaver's Corners
Almerville - 300 " "	Stone Quarry
Wingham - 400 " "	31 miles west of Walkerton
Blindfold - 20 " "	

TOWN OF KINCARDINE

Date of Contract - June 30, 1920

Date Power First Delivered - March 16, 1921

Date of request by municipality
for investigation by H.E.P.C. - - - - -

The following is an extract from a letter from Town
under date of February 17, 1912:

"The County passed the usual motion that you gave me when in Toronto appearing before the Commission on behalf of the County, the clerk was instructed to forward you the copy. Since that time you have asked the Towns and Villages and the rural municipalities at their January elections to submit a by-law expressing their willingness to take power from the hydro electric."

The resolution referred to in above communication was not found in Commission's files.

The initial communication on file under date of December 11, 1911, reads as follows:

"Are submitting power by-law to electors January first, 1912.

J.H.Scougall"

Summary of the Commission's report under date of December 4, 1919:

Commission states "Since the Wingham meeting addressed by the Commission's engineers, a further investigation has been made in connection with serving the various municipalities in Bruce County District, revised estimates have been prepared, and a careful study made in connection with serving the whole district."

Commission submits estimate on cost of delivering 350 horse power, the rate to be \$44.00 per horse power per annum, "based on delivering the following amounts of power to the various municipalities in this district:-

"Walkerton	-	300 horse power	Wroxeter	-	50 horse power
Mildmay	-	50 "	Gorrie	-	20 " "
Pormosa	-	15 " "	Fordwich	-	20 " "
Teeswater	-	150 " "	Southampton	-	300 " "
Lucknow	-	100 " "	Port Elgin	-	300 " "
Ripley	-	100 " "	Hanover Cement	}	
Kincardine	-	350 " "	Stone Quarry	}	300 " " "
Wingham	-	400 " "	3 1/2 miles west	}	
Bluevale	-	20 " "	of Walkerton	}	

TOWN OF KINCARDINE
(Continued)

Date of Contract - March 2, 1912

Commission advises town that "\$40,000 will be required to reconstruct your distribution system for the purpose of receiving Hydro power and supplying the various power customers in the Municipality desiring service."

Estimated rate submitted by
H.E.P.C. in above report:

December 4, 1919 - 350 H.P. - \$44.00 per H.P.

Vote on the by-law in the municipality on January 1, 1912,
resulted as follows:

For	338
Against	52
Majority for	286

Date by-laws and contract ratified by Provincial Legislature:

By-law	#603	-	June 4, 1920
"	#603	}	- May 3, 1921
"	#765		

Contract - April 28, 1922 - By Order-in-Council

Statistics for the 16 days and 7 months ending October 31, 1921,
re interim and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rate</u>	<u>Actual Rate</u> <u>per "Annual</u> <u>Adjustment"</u>	<u>Average Load</u> <u>after correction</u> <u>for power factor</u>
16 days and 7 months ending October 31, 1921	\$48.00	\$114.43	58.0

Valleyview - 500 horse power	Truro - 50 horse power
Bridgton - 50 "	Guilford - 50 "
Summers - 10 "	Southampton - 500 "
Westwater - 100 "	Fort Plain - 500 "
Lusk - 100 "	Denver Canal - 500 "
Sligo - 100 "	Stone Quarry - 500 "
Kincardine - 350 "	Stilled west - 500 "
Wingham - 400 "	of Valleyview - 500 "
Blindville - 50 "	Dorchester - 50 "

VILLAGE OF LUCKNOW

Date of Contract - March 8, 1920

Date Power First Delivered - July 11, 1921

Date of request by municipality
for investigation by H.E.P.C. - December 20, 1911.

The following is a copy of resolution bearing the above date:

"MOVED by Councillors Douglas and Lawrence that this Council approve of any scheme that may be adopted with advantage to this Municipality for the purpose of developing Electric energy in this District.

"I Joseph Agnew Clerk of the Municipality of the Village of Lucknow in the County of Bruce do hereby certify that the above motion is a true copy of a motion passed by the Council of the said Village of Lucknow on the Fifteenth day of December A. D. 1911.

Joseph Agnew
 Clerk "

Summary of Commission's report under date of December 4, 1919:

Commission submits report to village covering "the results of estimates and an investigation which have been made recently in connection with serving your Municipality with Hydro-Electric power."

After stating that these estimates have been revised since a meeting held in Wingham, which the Commission's engineers addressed and after a "further investigation made in connection with the possible power loads in the various municipalities, and by means of certain changes in the route of the transmission line, the location of substation, etc.," the Commission quotes an estimated price of \$60.00 per horse power per annum on the basis of a load of 100 horse power. This estimated rate "is based on supplying the following municipalities with the amounts opposite each:

"Walkerton - 300 horse power	Wroxeter - 50 horse power
Mildmay - 50 " "	Gerrie - 20 " "
Formosa - 15 " "	Southampton - 300 " "
Teeswater - 150 " "	Fort Elgin - 300 " "
Lucknow - 100 " "	Hanover Cement)
Ripley - 100 " "	Stone Quarry) 300 " "
Kincardine - 350 " "	3 1/2 miles west)
Wingham - 400 " "	of Walkerton)
Bluevale - 20 " "	Fordwich 20 " "

VILLAGE OF LUCKNOW
(Continued)

Date of Contract - September 11, 1918

Date Power First Delivered - February 8, 1919

Estimated rate submitted by H.E.P.C.
in above report:

December 4, 1919 - 100 H.P. + \$60.00 per H.P.

Vote on the by-law in the municipality on - - - - -,
resulted as follows:

(This information not obtainable from the Commission's files)

Date by-laws and contract ratified by Provincial Legislature:

By-law	#7 of 1919 - June 4, 1920
"	#7 " 1919) May 3, 1921
"	#8 " 1919)
Contract	- (June 4, 1920
	(April 28, 1922 - By Order-in-Council

Statistics for the 21 days and 3 months ending October 31, 1921,
re interim and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rate</u>	<u>Actual Rate</u> <u>per "Annual</u> <u>Adjustment"</u>	<u>Average Load</u> <u>after correction</u> <u>for power factor</u>
21 days and 3 months ending October 31, 1921	\$60.00	\$100.05	39.3

Proposition #1

Own Board	1000 H.P.
Fletcher	50 "
Dundalk	200 "
Harvey	300 "
Walker	100 "
Wardale	100 "
Chatsworth	75 "
Eugenia	50 "

Proposition #2

Own Board	1000 H.P.
Shallow Lake	200 "
Fletcher	50 "
Dundalk	200 "
Harvey	300 "
Walker	200 "
Wardale	100 "
Chatsworth	75 "
Eugenia	50 "

TOWN OF MARKDALE

(Continued)

Date of Contract - September 11, 1915

Date Power First Delivered - February 8, 1916

Date of request by municipality
for investigation by H.E.P.C. - November 10, 1913.

The following is a copy of resolution bearing the above date:

"Moved by Alderman A. L. Walker
 "Seconded by Alderman W. C. Davis

"That the Council of the Municipality of Markdale requests the Hydro-Electric Power Commission for Ontario to give the Municipality of Markdale an estimate of the price to be charged to the said Municipality for 125 horse power of electric energy from Hydro Electric to be supplied at Markdale, ready to be distributed by the said Municipality.

R. W. Ennis, Reeve
 W. J. Shortill, Clerk "

Summaries of the Commission's original and subsequent reports follow:

December 1, 1913:

Commission submits estimate of "the cost of serving Markdale with 150 H.P. from the Eugenia Falls Power Development", and advises that it has "investigated conditions and have estimated that the above amount of power can be delivered to your Village for \$24.36 per H.P."

February 26, 1914:

Further estimates are submitted under above date covering "cost of delivering power from Eugenia Falls to Markdale." Commission states "it has been estimated that 150 H.P. can be delivered to Markdale at 2200 volts for \$23.02 per HP." under "proposition #1 with each town taking the amount of power set opposite same", and under proposition #2 at \$22.27 per H.P.

"Proposition #1

Owen Sound	1500 HP.
Flesherton	50 "
Dundalk	200 "
Hanover	300 "
Walkerton	150 "
Markdale	150 "
Chatsworth	75 "
Eugenia	50 "

Proposition #2

Owen Sound	1500 HP.
Shallow Lake	800 "
Flesherton	50 "
Dundalk	300 "
Durham	500 "
Hanover	500 "
Walkerton	250 "
Markdale	150 "
Chatsworth	75 "
Eugenia	50 "

TOWN OF MARKDALE
(Continued)September 22, 1914:

Report of Commission re "serving the Town of Markdale with power from the Eugenia Falls development" states that "revised figures have been made up covering various towns in your district, and it has been estimated that 150 H.P. can be delivered to your town at 4000 Volts for \$23.24 per H.P."

The town is advised to take any necessary steps towards the passing of the Enabling and Money By-laws as the Commission expects "to be able to deliver power from Eugenia Falls by March, 1915."

Recapitulation of estimated rates submitted
by H.E.P.C. in above reports:

150 H.P.	(December 1, 1913 - \$24.36 per H.P.
	(February 26, 1914 - Prop. #1- \$23.02 per H.P.
	" #2- 22.27 " "
	(September 22, 1914 - \$23.24 per H.P.

Vote on the by-law in the municipality on July - 1915,
resulted as follows:

Specific information could not be obtained from the Commission's files, however letter of July 15, 1915 states that the by-law was to be submitted to the ratepayers and letter dated August 21, 1915 refers to the by-law having been passed.

Date by-laws and contract ratified by Provincial Legislature:

By-law	#265	} April 27, 1916
"	#266	
Contract	-	April 27, 1916

Statistics for the 22 days and 8 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate</u> <u>per "Annual after correction</u> <u>Adjustment" for power factor</u>	<u>Average Load</u>
22 days and 8 months ending October 31, 1916	\$23.24	\$45.61	40.2
Year ending October 31, 1917	23.24	26.43	69.3
" " " 31, 1918	23.24	20.73	67.0
" " " 31, 1919	23.24- 23.00	25.28	74.0
" " " 31, 1920	23.00- 35.00	36.86	85.7
" " " 31, 1921	35.00- 50.00	36.00	85.2

TOWN OF MOUNT FOREST

Date of Contract - March 18, 1915

Date Power First Delivered - November 18, 1915

Date of request by municipality
for investigation by H.E.P.C. - November 26, 1913.

The following is a copy of communication under above date,
and of subsequent resolution dated March 17, 1914:

"I am directed by our Board of Trade to obtain all necessary information, with full particulars as to extending the Hydro to this town, what the Corporation are required to do, guarantee how much power, etc. What would be the chances of obtaining power from any of the water privileges the Commission have, or are purchasing in the neighborhood. Kindly let me have full particulars.

The Board of Trade are pushing the matter and endeavoring to get the Municipal Council to take it up, hence my reason for full information.

James M. Scott
 Sec. Board of Trade"

March 17, 1914:

"The Municipal Council of the Corporation of the Town of Mount Forest at its regular meeting held on the 16th March 1914 passed the following resolution:

"Moved by Councillor Allen
 "Seconded by " Scott

"That leave be granted to apply for Hydro Electric Power to the extent of 500 Horse Power to be supplied from Eugenia Falls, and that the Clerk be instructed to draft a by-law to be voted on as soon as possible. Carried.

"Will you please give me an estimate of the cost at Mount Forest for takers per H.P. and any other information you can that I may use in drafting the by-law for submission to the Electors. Have you a form of bylaw?

W. C. Perry
 Town Clerk "

TOWN OF MOUNT FOREST
(Continued)Summary of Commission's report under date of September 22, 1914:

Commission refers to previous estimates prepared on the basis of estimated loads being taken by certain towns and in this connection states that "revised estimates including additional towns have been made up and we estimate that 400 H.P. can be delivered to your town at 2200 Volts for \$34.51 per H.P."

After pointing out that "according to the present outlook power will be ready for delivery from Eugenia Falls development about March 1915" Commission suggests that "steps be taken towards passing your Enabling and Money By-laws as soon as possible in order that you may be ready for receiving the service as soon as the development is completed."

Estimated rate submitted by H.E.P.C.
in above report:

September 22, 1914 - 400 H.P. - \$34.51 per H.P.

Vote on the by-law in the municipality on January - 1915,
resulted as follows:

For	278
Against	33

Majority for	245
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Date by-laws and contract ratified by Provincial Legislature:

By-law	#654	} April 27, 1916
"	#659	

Contract	-	April 27, 1916
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Statistics for the 13 days and 11 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
13 days and 11 months ending October 31, 1916	\$34.51	\$90.00	93.5
Year ending October 31, 1917	34.51	64.11	111.7
" " " 31, 1918	34.51	44.05	119.1
" " " 31, 1919	34.51- 40.00	51.58	129.3
" " " 31, 1920	40.00- 55.00	66.84	151.6
" " " 31, 1921	55.00- 65.00	68.40	185.6

VILLAGE OF NEUSTADT

Date of Contract - June 10, 1918

Date Power First Delivered - December 12, 1917

Date of request by municipality
for investigation by H.E.P.C. - November 28, 1917.

The following is a copy of request bearing the above date:

"I desire to direct your attention to the fact that our Counsell (sic) meets on Monday next Nov. 3rd. Kindly have a representative of your Commission hear (sic) & outline the Hydro proposition & also Terms of By Law & Etc. (sic)

Kindly call me on phone & let me know if you can be present & if this date does not meet your approval kindly advise me when you can come & oblige

Joseph Weber Reeve
Neustadt. "

Summary of Commission's report under date of March 8, 1918:

Commission reports to the village that "estimates have been prepared covering the delivery of 100 H.P. to your Municipality and we find that same can be delivered under conditions on which estimate was based for approximately \$43.00 per H.P. per annum."

Estimated rate submitted by H.E.P.C.
in above report:

March 8, 1918 - 100 H.P. - \$43.00 per H.P. per annum.

Vote on the by-law in the municipality on April 8, 1918,
resulted as follows:

Unanimous.

Date by-law and contract ratified by Provincial Legislature:

By-law #39 - not ratified

Contract - April 24, 1919

VILLAGE OF NEUSTADT
(Continued)

Statistics for the 20 days and 10 months ending October 31, 1918, and the 3 years ending October 31, 1921, re interim and actual power rates charged, together with the average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
20 days and 10 months ending October 31, 1918	K.W.H. plus \$12.00	-	8.5
Year ending October 31, 1919	42.50	\$86.14	18.5
" " " 31, 1920	42.50- 45.00	59.47	84.2
" " " 31, 1921	45.00- 55.00	51.65	126.3

A. A. Hughes,

Clerk.

Summary of the Commission's original and subsequent reports, follow:

August 10, 1915:

Commission advises the town that "the approximate cost of power to your town would be \$35.00 per K.W. per annum as near as we can tell at the present time."

March 21, 1916:

Commission submits a further report on the cost of power to town stating that "The actual figures of the estimate which we made up on February 16th, 1916, based on 300 K.W. amounted to \$35.42 per K.W. per annum."

Recapitulation of estimated rates submitted by N.E.P.C. in above reports:

August 10, 1915 - \$35.00 per K.W. per annum
March 21, 1916 - 300 K.W. - \$35.42 per K.W. per annum

TOWN OF ORANGEVILLE

Date of Contract - March 25, 1916

Date Power First Delivered - June 13, 1916

Date of request by municipality
for investigation by H.E.P.C. - July 22, 1915.

The following is a copy of resolution
bearing the above date:

"That the Municipal Corporation of the Town of Orangeville hereby requests the Hydro Electric Corporation of Ontario to give an estimate price of supplying to the Corporation of the Town of Orangeville, electrical power or energy for the use of the Corporation and the inhabitants of the Municipality for lighting, heating and power purposes, and for any or either of such purposes in the following quantities; Firstly, 200 horse power; and Secondly, 500 horse power, and Thirdly, 700 horse power.

A. A. Hughson,
 Clerk. "

Summaries of the Commission's original and subsequent reports,
follow:

August 10, 1915:

Commission advises the town that "the approximate cost of power to your town would be \$35.00 per H.P. per annum as near as we can tell at the present time."

March 21, 1916:

Commission submits a further report on the cost of power to town stating that "The actual figures of the estimate which we made up on February 16th, 1915, based on 300 H.P. amounted to \$35.42 per H.P. per annum."

Recapitulation of estimated rates submitted by H.E.P.C.
in above reports:

August 10, 1915 - \$35.00 per H.P. per annum
 March 21, 1916 - 300 H.P. - \$35.42 per H.P. per annum

TOWN OF ORANGEVILLE
(Continued)

Date of Contract - October 27, 1913

Date First Delivered - December 1, 1913

Vote on the by-law in the municipality on September - 1915,
resulted as follows:

(This information not obtainable from the Commission's files)

Date by-laws and contract ratified by Provincial Legislature:

By-law #1169 } April 27, 1916
" #1178 }
Contract - Not ratified

Statistics for the 18 days and 4 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual after correction Adjustment" for power factor</u>	<u>Average Load after correction for power factor</u>
18 days and 4 months ending October 31, 1916	\$35.00	\$88.60	27.9
Year ending October 31, 1917	35.00	41.58	96.97
" " " 31, 1918	35.00	30.15	127.0
" " " 31, 1919	35.00	50.25	134.3
" " " 31, 1920	35.00- 55.00	69.41	136.2
" " " 31, 1921	55.00- 65.00	63.47	142.1

3. Will this be a constant power? If not, what h.p. could be developed in the driest season of the year?

4. What would it cost to develop or increase this power, each falls separately?

5. What would be the cost of transmitting this power to our Town?

6. If sufficient power could be obtained from the falls mentioned, would the Commission recommend the development of the same to be operated by the Government, giving as a first rate per h.p. of over 1000 ft. head?

7. What would be the cost per h.p. delivered to our Town?

TOWN OF OWEN SOUND

Date of Contract - October 27, 1913

Date Power First Delivered - December , 1915

Date of original request by municipality
for investigation by H.E.P.C. - December 7, 1907.

The following is a copy of original request bearing
the above date, and summaries of subsequent requests:

"I am instructed to write you, Re Hydro Electric information. There is a proposition before our Council from the Eugenia Falls people, Re the delivering of Electric Power to Owen Sound, but the building of the transmission line is a serious matter for us to finance.

And what our Council wants to know is, what measures the Government of the Province of Ontario is likely to take in the matter of assisting Municipalities in the construction of said lines, (if any). We are anxious to get cheaper power from some source than we have at present and appeal to you for information as to the best possible means of obtaining it either through aid in the matter of a transmission line from Eugenia Falls or elsewhere.

Chas. Gordon, Town Clerk "

March 26, 1910:

Communication from Electric Light & Power Commission of Owen Sound asking for "a report on what power would be obtainable at Eugenia and Hayward Falls." The Commission is asked to give the following information:

- "1. What power can be developed at Eugenia Falls?
2. What power can be developed at Hayward Falls?
3. Will this be a constant power? If not, what H.P. could be developed in the driest season of the year?
4. What would it cost to develop or harness this power, each falls separately?
5. What would be the cost of transmitting this power to our Town?
6. If sufficient power could be obtained from the falls mentioned, would the Commission recommend the development of the same to be operated by the Government, giving us a flat rate per h.p. at Owen Sound?
7. What would be the cost per h.p. delivered in Owen Sound? "

TOWN OF OWEN SOUND
(Continued)

January 25, 1911:

Communication under above date from Mayor of Town asking for "full information as to the cost per horse power if delivered here, or what would be the probable cost after it is delivered here."

August 17, 1911:

Subsequent resolution passed by Town Council and forwarded to Commission.-

"Moved by Mr. Thomson
"Seconded by Mr. Leslie

"That the Clerk be authorized to write to the Hydro Electric Power Commission to get an estimate on what it would supply the Town of Owen Sound with Electric Energy.

Carried Unanimously "

August 21, 1911:

Under above date the following resolution was passed by Council and forwarded to Commission:

"Moved by Alderman Thomson
"Seconded by Alderman Leslie

"That the Council of the Municipality of the Town of Owen Sound requests the Hydro-Electric Power Commission for Ontario to give the Municipality of said Town an estimate of the price to be charged to the said Municipality for 1200 horse power of electric energy from its Power Wires to be supplied at Owen Sound ready to be distributed by the said Municipality."

April 3, 1912:

Request from town for "a price for Horsepower for from 600 to 800, 1000, 1200, 1500 or 2000 horsepower."

Summary of Commission's original and subsequent reports, and a copy of a resolution passed by the municipality in regard thereto, follow:

December 31, 1912:

Commission advises town that it has "secured an option on the Eugenia Falls power development and are now ready to proceed with the construction of line to the municipalities between the Falls and Owen Sound."

Furthermore the Commission states it has estimated that "the cost of developing 1500 H.P. and transmitting it to Owen Sound at approximately 44,000 volts, building a substation in or near Owen Sound and stepping down to 2300, 4600 or some similar voltage and delivering this step-down power to Owen Sound at the substation would be \$29.00 per H.P. per year."

TOWN OF OWEN SOUND
(Continued)

Commission informs town that "The time of delivery of this power is dependent upon the action which you take and we would urge that you proceed with your deliberations as soon as possible."

March 31, 1913:

Commission submits an estimate on cost of 800 H.P. "at low voltage, that is including the substation, at \$31.00 per H.P. per year."

April 15, 1913:

We have been unable to find a copy of the report to the municipality, dated April 15, 1913, referred to in a communication shown below, under date of May 22, 1913, but submit below a copy of a memorandum, bearing the same date from the Cost Accounting Engineer to the Chief Engineer.

"Re - Owen Sound & Collingwood.

"In accordance with instructions received through Mr. Acres we have prepared an estimate of the cost of delivering the following quantities of power to Owen Sound and Collingwood from Eugenia Falls.

<u>"Proposition No.1</u>	Owen Sound	800 HP.	Collingwood	800 HP.
<u>"Proposition No.2</u>	"	" 1000 "	"	600 "
<u>"Proposition No.3</u>	"	" 1200 "	"	300 "

"It is assumed that 1500 or 1600 HP. can be obtained at Eugenia Falls for \$14.65 per HP. annum on the generating bus bars.

"It is proposed to step this power up at the Falls to 22,000 V. and transmit at this voltage to Owen Sound and Collingwood, stepping down at Owen Sound to 4400 volts and making use of the present step-down station in Collingwood.

"Prices are given at Collingwood for both 2200 volt power and 22,000 volt power. There is also a price given from Big Chute at Collingwood based on 800 HP. delivered at 22,000 volts, for purposes of comparison with the prices from Eugenia.

"The distance from Eugenia to Collingwood totals 26½ miles and that from Eugenia to Owen Sound totals 33½ miles. The drop between the Falls and Owen Sound would amount to 4.34% and the drop between Eugenia and Collingwood amounts to 3.8%.

"The prices work out as follows:-

TOWN OF OWEN SOUND
(Continued)

"Municipality	H.P.	Del'd. Volts.	Cap. Cost per H.P.	Cost of Power Oper'n Plus Adminis.	Plus Int. 4%	Plus Maint. 1.5%	Plus Deprec. (full)	Plus S.P. 2.4%	With S.P. 1.8%
<u>"Power from Eugenia Falls</u>									
<u>"Proposition #1.</u>									
Owen Sound	800	4400	168.35	21.20	27.93	30.46	36.57	40.61	39.60
Collingwood	800	2200	115.39	20.05	24.66	26.39	30.59	33.36	32.67
<u>"Proposition #2.</u>									
Owen Sound	1000	4400	143.67	20.03	25.78	27.94	32.96	36.41	35.55
Collingwood	600	2200	140.18	21.62	27.23	29.33	34.46	37.83	36.98
<u>"Proposition #3.</u>									
Owen Sound	1200	4400	130.27	19.03	24.24	26.19	30.75	33.88	33.09
Collingwood	300	2200	242.98	27.99	37.71	41.35	50.25	56.08	54.62
<u>"Power at Collingwood at 22,000 V. from Eugenia.</u>									
Collingwood	800	22000	103.88	16.81	20.96	22.52	26.35	28.84	28.22
"	600	"	125.00	17.31	22.31	24.18	28.82	31.82	31.07
"	300	"	212.28	19.35	27.84	31.02	38.93	44.02	42.74
<u>"Collingwood from Big Chute at 22,000 V.</u>									
Collingwood	800	22000	122.26	20.56	25.45	27.28	31.56	34.49	33.76"

May 22, 1913:

Following is a copy of "Clause 16 of Report No. 9 of the Electric Light and Power Committee adopted at the regular meeting of Council on May 19th, 1913, which reads as follows:

"That this Council contracts with the Hydro Electric Power Commission of Ontario for 1200 horse power from Eugenia Falls or other sources, on condition that after a proper investigation of Eugenia at low water mark the Commission is fully convinced that the above number of horse power can be supplied, at the price of \$33.00 per horse power, as per their estimate and proposition of April 15th, 1913, a copy of which proposition is filed herewith, and also in accordance with the provisions of contract, and on condition also that the Hydro Electric Power Commission will supply the Town with an additional 300 horse power as soon as same is required by the Town, without additional cost per horse power, and that a copy of this paragraph be sent to the Commission by the Clerk."

TOWN OF OWEN SOUND
(Continued)

Exhibit 18
Sheet 5

Recapitulation of estimated rates submitted by
H.E.P.C. in above reports:

December 31, 1912 - 1500 H.P. - \$29.00 per H.P.
March 31, 1913 - 800 " - 31.00 " "

April 15, 1913:

Sinking Fund
calculated at
2.4% 1.5%

The following is Proposition #1 - 800 H.P.	\$40.61	\$39.60
" #2 - 1000 "	36.41	35.35
" #3 - 1200 "	33.88	33.09

Vote on the by-law in the municipality on January 2, 1913,
resulted as follows:

For 1238
Against 454

Majority for 784

Date by-law and contract ratified by Provincial Legislature:

By-law #1523 - May 1, 1914

Contract - May 1, 1914

Statistics for the 11 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim
and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate</u> <u>per "Annual</u> <u>Adjustment"</u>	<u>Average Load</u> <u>after correction</u> <u>for power factor</u>
11 months ending Oct. 31, 1916	\$31.00	\$45.25	683.5
Year ending October 31, 1917	31.00	23.97	973.8
" " " 31, 1918	31.00	20.03	1007.6
" " " 31, 1919	31.00- 28.00	26.61	934.9
" " " 31, 1920	28.00	40.49	1132.2
" " " 31, 1921	28.00- 30.00	40.20	1391.2

POLICE VILLAGE OF PRICEVILLE

Date of Contract - March 8, 1920

Date Power First Delivered - March 17, 1921

Date of request by municipality
for investigation by H.E.P.C. - March 19, 1914.

The following is a copy of request bearing the above date,
and of subsequent resolution:

"As a Ratepayer of the Police Village of Priceville am writing you for information with regard to the development of Eugenia Falls and the distribution of Power for Lighting &c. We are on the line running from Eugenia to Durham, Hanover, Walkerton, & like the most of other Villages would like to have the Electric for lighting and in the near future for Power also what is your plan for Distribution. We are part of the Tp. of Artesesia. What would the cost be per H.P. situated as we are 9 miles from Eugenia. Could we agree for more power than we need to begin with - not to be paid for unless in use what power would be required for day One or Two Hundred Eight Candle power lights? Am asking this Information to bring it before the Ratepayers at meeting to be held shortly.

"Am enclosing a rough sketch showing our location. Am satisfied that if once installed through here, in the near future all the small places would use Electric. A good many Farmers also would use it for light & other purposes where power is required. About what would the cost of wiring a house for say 6 or 8 lights. Have you a plan for gagueing (sic) the amount used or do you use a flat rate. Any information along these lines would greatly oblige the Ratepayers of Priceville & others.

.
 S. J. Brander "

May - 1918:

"Moved by Alderman J. A. Livingstone
 "Seconded by Alderman Colin McLean

"That the Council of the Municipality of Village of Priceville requests the Hydro-Electric Power Commission for Ontario to give the Municipality of Priceville an estimate of the price to be charged to the said Municipality for 50 horse power of electric energy from Eugenia to be supplied at Priceville, ready to be distributed by the said Municipality."

POLICE VILLAGE OF PRICEVILLE
(Continued)

Summaries of Commission's original and subsequent reports follow:

May 11, 1916:

Commission advises that "estimates have been made up covering the cost of serving the Police Village of Priceville, together with power loads at Dromore and Swinton Park, as well as any rural load which could be picked up between Priceville and the latter localities."

	<u>Estimated</u> <u>horse power taken</u>	<u>Cost per</u> <u>horse power</u>
Priceville	35	\$24.11
Dromore	40	46.45
Swinton Park	25	42.69
Rural Load	25	

February 10, 1919:

In reply to a communication under date of "January 24th" re service to village, Commission refers to estimates made up in 1915 based on "delivering 50 horse power to Priceville including additional loads in adjacent townships, and under these circumstances, it is possible to deliver power at \$33.00 per horse power."

Commission further states it is under the impression that "50 horse power is too large an amount to be considered, and that 25 horse power would be the actual demand."

"Due to the present high cost of labor and material, which no doubt will prevail for several months at least, the cost of installing a distribution system in your municipality, and also providing a substation, will be much greater than when the matter was originally discussed, and 25 horse power would cost the Municipality at least in the neighborhood of \$40.00 per H.P. per annum."

"It was estimated in 1915 that a distribution system could be built for \$2,900.00, but under present conditions the distribution system would cost at least \$4,000.00"

Commission proceeds to quote the rates "customers would have to pay when the price of power to the substation is \$40.00" and states that "if the Municipality of Priceville had taken service at the same time as Flesherton and Markdale they could have obtained a much lower rate than at the present time."

Commission advises the village that "There is no doubt whatever that the best proposition of serving the Municipality of Priceville would be to extend the Flesherton Feeder, and treat the Priceville and Flesherton System as one unit."

"The capital cost of serving Priceville by treating same as a part of the Flesherton System, would be much less than by installing a substation at Priceville, and we are firmly convinced that under such an arrangement lower rates could be given to the consumers at Priceville."

POLICE VILLAGE OF PRICEVILLE
(Continued)

Estimated rates submitted by H.E.P.C.
in above reports:

May 11, 1916 - 35 H.P. - \$24.11 per H.P.
February 10, 1919 - 30 H.P. - \$33.00 per H.P.

Vote on by-law in the municipality on January - 1920,
resulted as follows:

(Carried)

Date by-laws and contract ratified by Provincial Legislature:

By-law #20 of 1919 - June 4, 1920
" #20 of 1919 - May 3, 1921
Contract - (June 4, 1920
(April 28, 1922 - By Order-in-Council

Statistics for the 14 days and 7 months ending October 31, 1921,
re interim and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rate</u>	<u>Actual Rate</u> <u>per "Annual</u> <u>Adjustment"</u>	<u>Average Load</u> <u>after correction</u> <u>for power factor</u>
14 days and 7 months ending October 31, 1921	\$47.00	\$115.71	4.1

Commission submits the results of estimates and an investigation which have been made recently in connection with serving your Municipality with Hydro-Electric power.

Reference is then made to a meeting held in London, where the Commission's engineers delivered an address, report stating that "revised estimates have been prepared, and a further investigation made in connection with the possible power loads in the various municipalities, and by means of certain changes in the route of the transmission line, the location of substations, etc. it is estimated that 100 horse power can be delivered to your municipality for \$40.00 per horse power per annum."

This estimated cost of power "is based on supplying the following municipalities with the amounts opposite each."

POLICE VILLAGE OF RIPLEY

Date of Contract - March 20, 1920

Date Power First Delivered - January 12, 1921

Date of request by municipality
for investigation by H.E.P.C. - January 3, 1920.

The following is a copy of request bearing the above date:

"I am directed by the Municipal Council of the Township of Huron to inform you that a Petition signed by the following five ratepayers of the Township of Huron in the County of Bruce, has been presented to the said Council asking your Commission for an estimate of the cost to them respectively, of the supply to them of Hydro-Electric Light and Power, in accordance with the provisions of the 'Act'

They have not filled in the no. Horse Power required.

Angus Martyn,
 Clerk "

Summary of Commission's report follows:

December 5, 1919:

Commission submits "the results of estimates and an investigation which have been made recently in connection with serving your Municipality with Hydro-Electric power."

Reference is then made to a meeting held in Wingham, where the Commission's engineers delivered an address, report stating that "revised estimates have been prepared, and a further investigation made in connection with the possible power loads in the various municipalities, and by means of certain changes in the route of the transmission line, the location of substations, etc. it is estimated that 100 horse power can be delivered to your municipality for \$60.00 per horse power per annum."

This estimated cost of power "is based on supplying the following municipalities with the amounts opposite each:-

POLICE VILLAGE OF RIPLEY
(Continued)

Walkerton	-	300	horse power	Wroxeter	-	50	horse power
Mildmay	-	50	" "	Gorrie	-	20	" "
Formosa	-	15	" "	Fordwich	-	20	" "
Teeswater	-	150	" "	Southampton	-	300	" "
Lucknow	-	100	" "	Port Elgin	-	300	" "
Ripley	-	100	" "	Hanover Cement			
Kincardine	-	350	" "	Stone Quarry		300	" "
Wingham	-	400	" "	3 1/2 miles west			
Bluevale	-	20	" "	of Walkerton			

Estimated rate submitted by H.E.P.C.
in above report:

December 5, 1919 - 100 H.P. - \$60.00 per H.P.

Vote on the by-law in the municipality on November 21, 1919,
resulted as follows:

For 121
Against 3

Majority for 118

Date by-law and contract ratified by Provincial Legislature:

By-law - not ratified

Contract - June 4, 1920

Statistics for the 20 days and 9 months ending October 31, 1921,
re interim and actual power rates charged, together with the
average load of this municipality, follow:

Period	Interim Rate	Actual Rate per "Annual Adjustment" for power factor	Average Load
20 days and 9 months ending October 31, 1921	\$60.00	\$104.16	38.7

Estimated rate submitted by H.E.P.C.
in above report:

September 25, 1921 - 300 H.P. - \$104.16 per H.P.

VILLAGE OF SHILBURNE

Date of Contract - April 24, 1915

Date Power First Delivered - June 13, 1916

Date of request by municipality
for investigation by H.E.P.C. - January 29, 1914.

The following is a copy of request bearing the above date:

"The Village Council at their last meeting requested me to write to you for information in regard to getting Hydro Electric power for our Village.

At present we are receiving power from the Pine River Light & Power Co. operated at Hornings Mills 6 miles north of here and our contract runs out this spring.

We are paying 10¢ per Kilowatt and the service here is very poor. Orangeville 18 miles below here get their power from same concern at 8¢ per Kilowatt.

Will you kindly let me know if you think we could get the Hydro.

.

Thos. Whally."

Summary of Commission's report follows:

September 22, 1914:

Commission advises village that "figures have been made up, including several towns in your district, and it has been estimated that 300 H.P. can be delivered to your town at 2200 Volts for \$39.19 per H.P."

Commission further advises that it is expected power can be delivered "from Eugenia Falls by March 1915" and suggests that "any steps which you may desire to take towards Hydro service from the Eugenia development be undertaken as soon as possible in order that you may be ready for the service when the development is completed."

Estimated rate submitted by H.E.P.C.
in above report:

September 22, 1914 - 300 H.P. - \$39.19 per H.P.

VILLAGE OF EMBURNE
(Continued)

Vote on the by-law in the municipality on January - 1918,
resulted as follows:

Communication dated January 8, 1918, states:

"Hydro carried here with a sweeping majority."

Date by-laws and contract ratified by Provincial Legislature:

By-law	#318	}	April 27, 1916
"	#321		
Contract	-		April 27, 1916

Statistics for the 18 days and 4 months ending October 31, 1916,
and the 5 years ending October 31, 1921, re interim and actual
power rates charged, together with the average load of this
municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate</u> <u>per "Annual after correction</u> <u>Adjustment" for power factor</u>	<u>Average Load</u>
18 days and 4 months ending October 31, 1916	\$30.00	\$103.41	16.7
Year ending October 31, 1917	30.00	39.10	63.17
" " " 31, 1918	30.00	27.94	123.7
" " " 31, 1919	30.00	33.32	144.8
" " " 31, 1920	30.00- 38.00	48.88	183.6
" " " 31, 1921	38.00- 50.00	44.23	178.4

VILLAGE OF TARA

Date of Contract - March 13, 1916

Date Power First Delivered - January 3, 1918

Date of request by municipality

for investigation by H.E.P.C. - February 26, 1915.

The following is a copy of request
bearing the above date:

"I have been instructed by the Municipal Council of the Village of Tara to write you for application forms, or information on whatever is necessary for taking preliminary steps re securing Hydro Electric for above Municipality. Your Engineer Mr. J. W. Purcell, at Kilayth, recently advised us to write you concerning this matter.

Year ending October 31, 1915	27.00	W. J. Taylor	24.9
		Clerk "	
Year ending October 31, 1916	27.00		25.2
" " " " 31, 1922	27.00	28.00	107.25
" " " " 31, 1923	27.00	28.00	100.25

Summary of Commission's report follows:

December 2, 1915:

Commission advises village that "an estimate has been made up covering the cost of Hydro power delivered to the various municipalities in your district, and we find that the estimated cost of 100 H.P. to Tara would amount to \$36.37 per H.P. per annum."

Estimated rate submitted by H.E.P.C.
in above report:

December 2, 1915 - 100 H.P. - \$36.37 per H.P.

Vote on the by-law in the municipality on January - 1916,
resulted as follows:

Telegram January 3, 1916 -

"Carried, large majority"

VILLAGE OF TARA
(Continued)

Date by-laws and contract ratified by Provincial Legislature:

By-law	#282)	April 12, 1917
"	#284)	
Contract	-	April 12, 1917

Statistics for the 29 days and 9 months ending October 31, 1918, and the 3 years ending October 31, 1921, re interim and actual power rates charged, together with the average load of this municipality, follow:

<u>Period</u>	<u>Interim Rates</u>	<u>Actual Rate per "Annual Adjustment"</u>	<u>Average Load after correction for power factor</u>
29 days and 9 months ending October 31, 1918	\$37.00	\$101.97	24.9
Year ending October 31, 1919	37.00	91.95	36.2
" " " 31, 1920	37.00- 85.00	107.25	44.6
" " " 31, 1921	85.00- 90.00	100.28	41.2

May 18, 1917:

"Moved by G. T. Sedgwick
"Seconded by George Verner

"That the Hydro Electric Power Company of Ontario be requested to furnish this Municipality with an Estimate of the Cost of Delivery from the Niagara System of 75 H.P., 100 H.P., & 200 H.P. also what amount of Subsidies it will be necessary to raise to distribute Hydro Energy to the Residents of Tecumseh, Ont. Carried.

G. Ferguson, Secy

Summary of Commission's report follows:

December 4, 1918:

Commission submit to village the "results of estimate and an investigation which have been made recently in connection with serving your Municipality with Hydro-Electric power."

VILLAGE OF TEESWATER

Date of Contract - March 2, 1920

Date Power First Delivered - December 19, 1920

Date of request by municipality
for investigation by H.E.P.C. - January 15, 1912.

The following are copies of original and subsequent resolutions:

January 15, 1912:

"Moved by R. H. Mann
"Seconded by J. J. Reid

"That the Clerk be be (sic) instructed to write to the Hydro Electric Commission that while the Village of Teeswater did not take a vote upon the By-law submitted by them, that the Council are unanimous in the belief that the Ratepayers of the Village of Teeswater consider that your Commission should go ahead and make estimates as to the Cost of Power and that when Cost is arrived at that we as a Council will submit a By-Law to consider purchase of same if price is satisfactory. Carried

S. R. Brill,
Reeve "

May 18, 1917:

"Moved by G. T. Redburn
"Seconded by George Dörner

"That the Hydro Electric Power Company of Ontario be requested to furnish this Municipality with an Estimate of the Cost of Delivery from the Eugenia System of 75 H.P. 100 H.P. & 200 H.P. also what amount of Debentures it will be necessary to raise to distribute Hydro Energy to the Residents of Teeswater, Ont. Carried.

D. Ferguson, Reeve "

Summary of Commission's report follows:

December 4, 1919:

Commission submits to village the "results of estimates and an investigation which have been made recently in connection with serving your Municipality with Hydro-Electric power."

VILLAGE OF TEESWATER
(Continued)

Commission further states that "revised estimates have been prepared" since its engineers addressed a meeting held in Wingham and after "further investigation made in connection with the possible power loads in the various municipalities, and by means of certain changes in the route of the transmission line, the location of substations, etc., it is estimated that 150 horse power can be delivered to your Municipality for \$35.00 per horse power per annum."

This estimated cost of power was "based on supplying the following municipalities with the amounts opposite each:-

Walkerton	-	300	horse power	Wroxeter	-	50	horse power
Mildmay	-	50	" "	Gorrie	-	20	" "
Yarmosa	-	15	" "	Fordwich	-	20	" "
Teeswater	-	150	" "	Southampton	-	300	" "
Lucknow	-	100	" "	Port Elgin	-	300	" "
Ripley	-	100	" "	Hanover Cement)			
Kincardine	-	350	" "	Stone Quarry	} 300	" "	
Wingham	-	400	" "	3½ miles west	}		
Bluevale	-	20	" "	of Walkerton	}		"

Estimated rate submitted by H.E.P.C.
in above report:

December 4, 1919 - 150 H.P. - \$35.00 per H.P.

Vote on the by-law in the municipality on January 5, 1920,
resulted as follows:

For	140
Against	5
Majority for	135

Date by-laws and contract ratified by Provincial Legislature:

By-law #10 of 1919 - June 4, 1920
 " #10 of 1919 }
 " #11 of 1919 } May 3, 1921

Contract - (June 4, 1920
 (April 28, 1922 - By Order-in-Council

VILLAGE OF TRESWATER
(Continued)

Date of Contract - February 19, 1921

Date Power First Delivered - December 11, 1920

Statistics for the 13 days and 10 months ending October 31, 1921, re interim and actual power rates charged, together with the average load of this municipality, follow:

The following is a copy of resolution

passed by the Village Board

Actual Rate Average Load
per "Annual after correction
Adjustment" for power factor

Period Interim Rate

13 days and 10 months

ending October 31, 1921 - \$40.00 \$69.46 60.4

The following is a copy of resolution passed by the Village Board on the Fifth day of February, A.D. 1921, in relation to the power rates for the Village of Trewater, and the average load of power for the same period of electric energy from the power plant of the Village of Trewater, to be distributed by the said municipality.

"I hereby certify the foregoing to be a true and correct copy of the resolution passed on the Fifth day of February, A.D. 1921.

John F. Brown
Clerk, Town of Wingham."

Summary of the Commission's report under date of December 5, 1921:

"Commission advised, that their investigation has resulted in the estimated cost of power in Wingham being determined at \$25.00 per horse power per annum."

Estimated rate submitted by Trewater
in above report

December 5, 1921 - \$25.00 per H.P.

Note on the ledger of the municipality on January 1, 1922.
amount as follows:

Dec 1 (275)
Jan 1 25
Totals for 1921

TOWN OF WINGHAM

Date of Contract - February 20, 1920

Date Power First Delivered - December 21, 1920

Date of request by municipality
for investigation by H.E.P.C. - February 5, 1917.

The following is a copy of resolution
bearing the above date:

"Moved by Alderman George Spotton
 "Seconded by Alderman Wm. Webster

"That the Council of the Municipality of the Town of Wingham requests the Hydro-Electric Power Commission for Ontario to give the Municipality of Wingham an estimate of the price to be charged to the said Municipality for 300 horse power of electric energy from _____ to be supplied at _____, ready to be distributed by the said Municipality.

"I hereby certify the foregoing to be a true copy of motion passed on the Fifth Day of February, A.D. 1917.

John F. Groves
 Clerk, Town of Wingham."

Summary of the Commission's report under date of December 5, 1919:

Commission advises town that their investigation has "resulted in the estimated cost of power to Wingham being determined as \$38.00 per horse power per annum."

Estimated rate submitted by H.E.P.C.
in above report:

December 5, 1919 - \$38.00 per H.P.

Vote on the by-law in the municipality on January 1, 1912,
resulted as follows:

For	272
Against	38
Majority for	234

TOWN OF WINGHAM
(Continued)

Date by-laws and contract ratified by Provincial Legislature:

By-law	#817	-	June	4, 1920
"	#817	}	May	3, 1921
"	#818	}		
Contract	-		(June	4, 1920
			(April 28, 1922 -	By Order-in-Council

Statistics for 11 days and 10 months ending October 31, 1921,
re interim and actual power rates charged, together with the
average load of this municipality, follow:

<u>Period</u>	<u>Interim Rate</u>	<u>Actual Rate</u> <u>per "Annual after correction</u> <u>Adjustment" for power factor</u>	<u>Average Load</u>
11 days and 10 months ending October 31, 1921	\$45.00	\$64.60	284.4

CITY OF

BY-LAW No.

To take the vote of the ratepayers of the City of _____ entitled to vote on money by-laws, on a question to be submitted whether the said ratepayers are in favor of a supply of electric power from the Hydro-Electric Power Commission of Ontario.

WHEREAS the Municipal Council of the Corporation of _____ deems it advisable to submit to the ratepayers of the said City of _____ entitled to vote on money by-laws a question as to whether the said ratepayers are in favor of a supply of electric power from the Hydro-Electric Power Commission of Ontario,

THEREFORE the Council of the Corporation of the City of _____ enacts as follows:

1. THAT the following question be submitted to the ratepayers of the Municipal Corporation of the City of _____ entitled to vote on money by-laws:

Are you in favor of obtaining from the Hydro-Electric Power Commission of Ontario a supply of electric power?

2. THAT the votes of the said ratepayers shall be taken on this question at the following time and places by the Deputy Returning Officers and Poll Clerks hereinafter mentioned, that is to say: (Set out here, day and hour for taking vote, polling divisions, wards, names of Deputy Returning Officers, Poll Clerks, places of voting. The date fixed for vote not to be less than three nor more than five weeks after first publication of this by-law. See sec. 263 of Municipal Act, 1913).

3. A true copy of this by-law shall be published in the following newspapers on the days hereinafter mentioned, that is to say: (Follow ss. 5, sec. 263, Municipal Act, 1913) and a copy of this by-law shall be posted at (Name 4 most public places for posting).

4. On the _____ day of _____ at his office in the Council Chamber on _____ Street in the City of _____ at _____ o'clock _____ noon, the Mayor will in writing signed by him appoint two persons to attend at the final summing up of the votes by the Clerk of this Corporation and one person to attend each polling place on behalf of the persons interested in and desirous of the answering of the said question in the affirmative, and a like number on behalf of the persons interested in and desirous of the answering of the said question in the negative respectively.

5. The _____ day of _____ at the said Council Chamber _____ at _____ o'clock is hereby appointed for the summing up by the Clerk of this Corporation of the number of votes given in the affirmative and in the negative respectively.

MADE, PASSED and ENACTED this _____ day of _____

MAYOR.

CLERK.

First publication day of

Council Chamber, day of

(Copy)

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIOEXECUTIVE CORRESPONDENCE

7th March, 1923.

MEMORANDUM TO MR. GRACEYSubject - VARIATION IN COST OF POWER - EUGENIA SYSTEM

"It very often happens that the average demand of a municipality during the first year of operation is considerably less than the estimated demand due to the fact that it takes the local utility some period of time to get properly started and this time varies in various municipalities. This is due to the fact that a large number of customers, both domestic and commercial lighting, as well as power customers are not ready to become connected to the system as soon as power is delivered and connections of various customers are strung along throughout the year, thus, during the first few months of operation the actual demands per month are much less than the demand being taken at the close of the year thus making the average for the year small. A municipality which becomes connected to the system after the fiscal year has begun will have its total load at the end of the fiscal year divided by twelve to reduce all municipalities to the same average, therefore, a municipality which has been on nine, six, three, or one month will have a very small average demand for the first year, hence the actual cost per H.P. will quite often be much greater during the first year than in following years.

"On Eugenia System it will be noted that the rates decreased from 1916 to 1918 and that during the latter year almost all of the municipalities with a few exceptions were receiving power at a cost less than the original estimated cost. From 1918 to 1920 costs increased,

whereas since 1920 costs have been steadily decreasing again.

"In this connection it should be borne in mind that the Eugenia System was placed in a very unfortunate position due to war conditions. In 1918 the plant was loaded, a considerable portion of the output being sold to the Severn System and used largely for munition purposes, and as all efforts were concentrated on munition production and in winning the war during 1918 it was decided to increase the plant capacity at Eugenia so as to have power available to keep up with the demand of power for munition production. It was also figured that the demand for power in the Bruce County District and the gradual increase in load in the Eugenia Municipalities would be such that there would still be a demand for power equal to the increased capacity of the plant after the munition load dropped off.

"The war closed at the beginning of the fiscal year of 1919 and at the close of the fiscal year of 1918, the munition plant production being extended for a month or so into the fiscal year of 1919.

"1919 and 1920 were unfavorable years on the Eugenia System, due to the falling off of munition loads and to industrial depression. The loss of such loads in Collingwood as the closing down of the Collingwood Shipbuilding Co., and the loss by fire of the Imperial Steel & Wire Co., reduced the demands on the Severn System by 1000 HP thus curtailing the market for power in the Severn System from the Eugenia System. Furthermore, in 1920 the Eugenia System lost the load of the National Portland Cement Co., of Durham, which company went into liquidation.

"It will be noted that a large portion of the load served in the Eugenia District consists of utilization of power for milling

and furniture industries, both of which suffered severely during the periods of 1919, 1920 and 1921. The milling business, in fact, has not yet resumed normal conditions which existed prior to the war, as most of the small mills throughout the district were grinding flour for European export and the loss of this market has greatly affected the demand for power in this class of industry.

"In 1919, as per page 64 of the Commission's Annual Report, a revenue was derived by the Eugenia System from the sale of power to the Severn System and companies, amounting to \$47,839.33, whereas the sale of power to Severn System and companies in 1920 was 160 H.P. - practically nil.

"In 1917, 1918 and 1919 the sale of power to the Severn System was not only carrying the operating and fixed charges on the tie line between Severn and Eugenia Systems but was also carrying a large portion of Eugenia generating station capital as well as creating a net revenue over and above cost, which was distributed among all the municipalities.

"In 1920 the Eugenia System had to carry the tie line without revenue from the Severn System and at the same time a share of the capital of the generating station, previously carried by the Severn System on account of sale of power to the latter, had to be carried by the Eugenia municipalities.

"Thus, the Eugenia System in 1920 was confronted with the loss of the Severn System and Companies' load, the revenue from which in 1919 was over \$47,000.00 and at the same time the Eugenia municipalities had to bear a larger portion of the capital of the generating station originally carried by the Severn System.

"In addition to the above, the extension to the Eugenia generating plant went into operation costs in the year 1920, thus adding

additional costs to the Eugenia municipalities.

"The costs of power to municipalities are bound to vary up and down, according to the demands for power in other municipalities and will reach a minimum when the plant is loaded and all of the capital invested therein is being utilized in power production. A time comes, however, when additional capital must be invested in the generating plant and in doing so future demands must be taken into consideration, thus when this increased capital goes into operation rates are bound to increase and gradually decrease again until the plant again becomes loaded and all of the capital utilized in power production.

"Furthermore, an industrial slump such as occurred after the close of the war, in which there is a general falling off of loads throughout a district, means that costs will increase until industrial conditions become stabilized.

"It will be noted that in most of the municipalities on the Eugenia System costs during the first year of service were quite high and gradually decreased until in 1918 they were below the original estimates. From 1918 they increased again until 1920 after which a decrease took place and in 1922 with the revised depreciation charges effective, costs will be much lower than for 1921, and the indication is that 1923 costs will still be lower than 1922 due to the plant being loaded to its maximum capacity. After 1923 the rates will probably increase slightly, as additional capital must be invested in the generating plant in the way of a second pipe line, which will probably be included in the operating costs in 1924.

"In addition to the foregoing, there are several other reasons which have an important bearing upon the variation of the cost of power in the Eugenia District. For instance, the steady increase in the rates

paid for labour as well as the extra cost of material increased very largely the operation and maintenance costs to all municipalities, both as far as plant and lines were concerned. Furthermore, the Eugenia District was new, with several municipalities receiving service under private companies both with and without franchises, several municipalities operating municipal steam plants and with several municipalities receiving no service of any kind whatever. In preparing original estimates for serving a district of this kind certain assumptions had to be made in grouping municipalities with respect to laying out the transmission lines and it quite often happened that certain municipalities in certain groups did not become connected to the system as early as was anticipated. Also, a greater period of time was taken by some municipalities to consider the question of taking of Hydro power, and then was taken by others which largely affected the cost of power to the municipalities which were connected to the system at the beginning and it was not until the end of 1918 that all of the municipalities on the system outside of Bruce County were being served. For these reasons and others already mentioned, it was not until 1918 that the rates to the various municipalities were within the limits originally estimated upon. It would be a very simple matter, if time were available, to analyze conditions in each municipality and give the specific reasons concerning the variation in cost of power up and down since Hydro service was first taken. There are in each municipality certain local conditions as well as certain conditions involving groups of municipalities. Conditions where loads came on faster in some localities than anticipated, and not in others as was anticipated. Conditions where estimates were prepared when labour and material were both very largely increased when actual work was performed, due to the fact that certain periods of time

were taken to discuss estimates, passed by-laws, and taking care of preliminary negotiations for purchase of load plants, etc., all of which affect the cost of power in each municipality. To do this, however, involves a great deal of extra work and such is impossible at the present time with the present staff and with the time entirely taken up with pressing matters pertaining to carrying on the regular work of the Commission. The fact remains, however, that in almost every case on the Eugenia System with very few exceptions the rates in 1918 were less than the original estimated costs and increases occurred due to conditions over which there was no control.

Yours truly,

(SGD.) F. A. Gaby

CHIEF ENGINEER"

TCJ/AP

(SGD.) R.T.J.

